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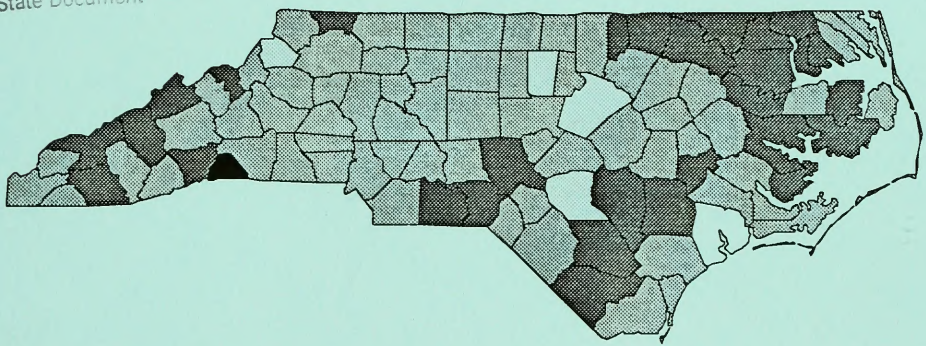
LEADING CAUSES OF MORTALITY

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**North Carolina
Vital Statistics
1992-Volume 2**

LEADING CAUSES OF MORTALITY

North Carolina Vital Statistics 1992-Volume 2



State Center for Health and Environmental Statistics
N.C. Department of Environment, Health, and Natural Resources

STATE OF NORTH CAROLINA

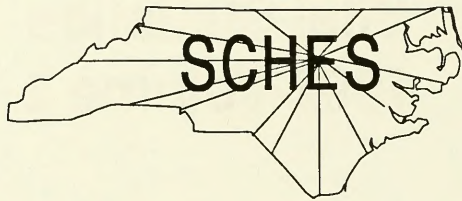
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DEPARTMENT OF ENVIRONMENT, HEALTH, AND NATURAL RESOURCES

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STATE CENTER FOR HEALTH AND ENVIRONMENTAL STATISTICS

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October 1993

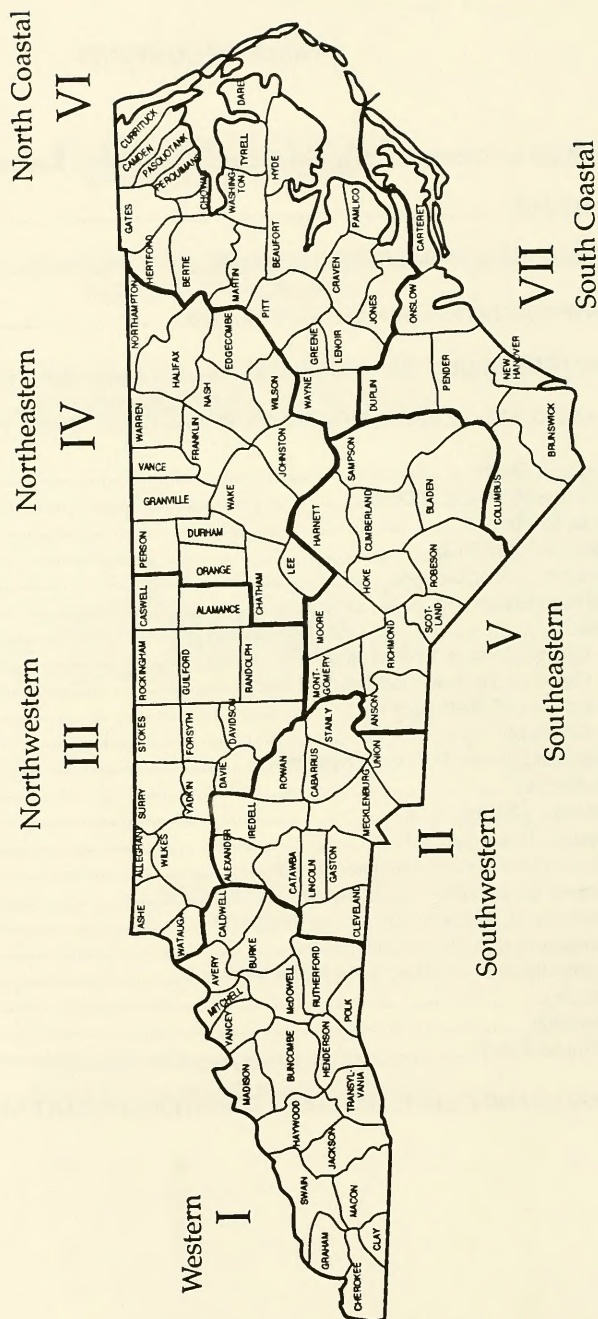
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TABLE OF CONTENTS

	<u>Page</u>
FIGURE 1—Department of Environment, Health, and Natural Resources Regions	iv
PREFACE	v
I. COMPUTATION OF MORTALITY RATES	1-1
II. INTERPRETATION OF MORTALITY RATES	2-1
III. CAUTION ABOUT UNSTABLE RATES	3-1
IV. TABLES AND FIGURES: MORTALITY STATISTICS FOR 1988-92	
Cause of Death	4-3
Sex-Specific Cause of Death	4-4
Total Deaths	4-5
Diseases of the Heart	4-8
Cerebrovascular Disease	4-11
Atherosclerosis	4-14
Cancer	4-16
Cancer of Colon, Rectum, and Anus	4-19
Cancer of Trachea, Bronchus, and Lung	4-22
Cancer of Female Breast	4-25
Cancer of Prostate	4-28
Acquired Immune Deficiency Syndrome	4-31
Septicemia	4-34
Diabetes Mellitus	4-36
Pneumonia and Influenza	4-38
Chronic Obstructive Pulmonary Disease	4-41
Chronic Liver Disease and Cirrhosis	4-44
Nephritis, Nephrotic Syndrome, and Nephrosis	4-47
Unintentional Motor Vehicle Injuries	4-49
Unintentional Injuries Excluding Motor Vehicle	4-52
Suicide	4-55
Homicide	4-58
Infant Mortality	4-61
V. TABLES AND FIGURES: MULTIPLE CONDITIONS PRESENT AT DEATH, 1988-92	

NORTH CAROLINA

Department of Environment, Health, and Natural Resources
Regions



PREFACE

The State Center for Health and Environmental Statistics periodically produces a major publication describing North Carolina's mortality experience for a five-year period. The 1988 *Leading Causes of Mortality*, the fourth major publication of this type, included statistical tables, maps, and graphs, as well as an analysis for each leading cause of death in North Carolina. In the interim years, the Center publishes supportive reports of mapped and tabular data only.

This edition of *Leading Causes of Mortality* is a supportive report which should be used for health planning and analysis in conjunction with the 1988 edition. Another report that can be used is Detailed Mortality Statistics, which provides annual counts of deaths classified according to detailed underlying causes of death and the age, race, and sex of decedents.

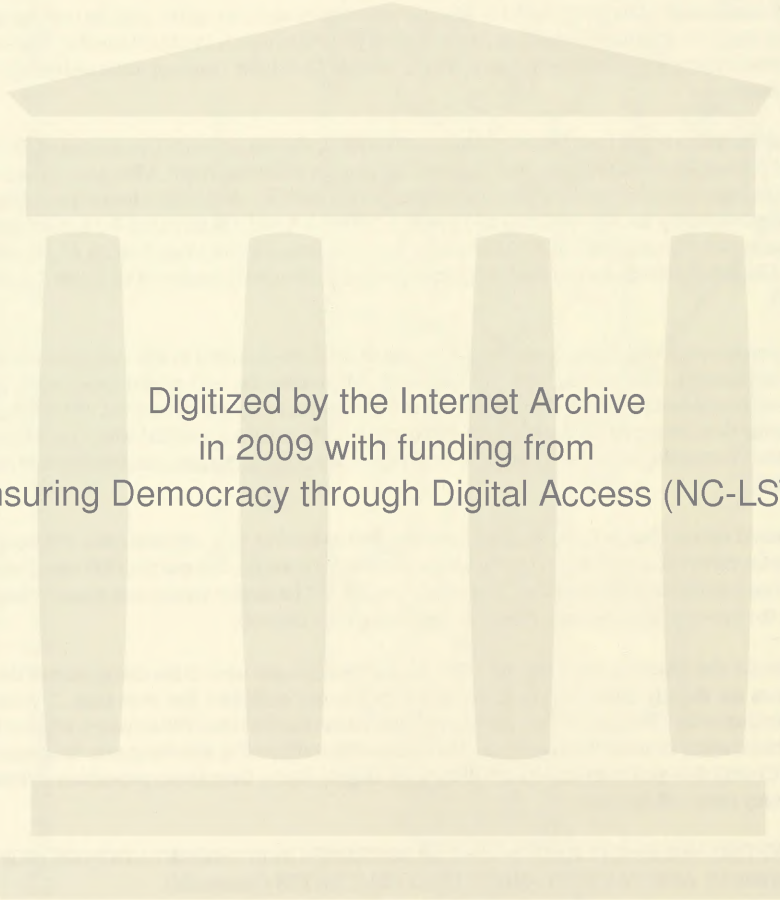
The tables and maps in this report show selected mortality statistics for counties, Department of Environment, Health, and Natural Resources regions, and the state (see map on preceding page). More than a dozen of North Carolina's leading causes of mortality are depicted in these tables and maps. In addition, major site-specific cancers and total infant mortality are also tabulated and mapped. Tables 1.A and 1.B on pages 4-3 and 4-4 describe the selected cause-of-death categories in terms of codes from the International Classification of Diseases (Ninth Revision). Altogether, the causes included in this report accounted for 84.8 percent of all North Carolina deaths during 1992.

As with previous editions, multiple conditions present at death are included in this volume. Five diseases in particular—septicemia, diabetes mellitus, hypertension, atherosclerosis, and nephritis/nephrotic syndrome/nephrosis—are considered associated conditions far more often than they are considered an underlying cause. Hence, Figures 19.A through 23.B display 1988-92 county rates for deaths associated with a mention of each of these diseases. Meanwhile, rates corresponding to these diseases as underlying causes are tabulated but not mapped in this volume.

Users should note a change in the standard used to calculate the five-year adjusted rates. Whereas pre-1990 reports used the current five-year North Carolina population as the standard, this and the 1991 report use the 1980 North Carolina population as the standard. This same standard will be used in subsequent years to allow the user to compare the five-year adjusted rates over time, beginning with 1986-90.

Users should also note that the 1988 and 1989 population estimates used in the calculation of the 1988-92 mortality rates are slightly different than those used in previously published five year rates. The most recent population estimates for 1988 and 1989 are based on data from both the 1980 and 1990 censuses, whereas they were previously based solely on the 1980 census data. The counties most affected by this change are Anson and Onslow. The Anson County five-year mortality rates will increase slightly due to these better population estimates while Onslow County rates will decrease.

IN USING THIS VOLUME PLEASE NOTE THE SECTIONS ON INTERPRETATION OF MORTALITY RATES (Section II) AND CAUTION ABOUT UNSTABLE RATES (Section III).



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I. COMPUTATION OF MORTALITY RATES

In this report, total death rates are expressed as resident deaths per 1,000 population, while all cause-specific mortality rates are expressed as resident deaths per 100,000 population. All rates in Tables 1-21 use total population in the denominator, except rates for the sex-specific cancer sites, which use male or female population in the denominator. Population bases for these rates were provided by the Office of State Planning in the Governor's Office. The infant mortality rates of Table 22 and Figure 18 are computed as the number of resident deaths under one year of age per 1,000 resident live births.

Vital events in this report are assigned to place of residence. For deaths of persons in long-term institutions (mental, penal, old age, orphan, nursing home, rest home, etc.), the institution is considered the usual residence provided the decedent had resided in the institution at least one year. College students and military personnel are considered residents of the college or military community.

The following definitions apply to the rates of this report:

Unadjusted Annual Death Rate: the annual death rate computed as resident deaths per 1,000 or 100,000 population. These rates reflect an area's status according to the observed incidence of mortality during the given year.

Unadjusted 5-Year Death Rate: the average annual death rate computed as average resident deaths per 1,000 or 100,000 average population. These rates give an area's status with respect to the observed incidence of mortality during the five-year period. These rates are depicted in the Series A maps (e.g., Figures 2.A, 3.A).

Adjusted 5-Year Death Rate: the average annual age-race-sex-adjusted rates computed by the direct method. Also expressed as deaths per 1,000 or 100,000 population, these rates are those which would be expected if the average annual age, race, and sex composition of each county's population were the same as that estimated for the state in 1980. These rates are free of differing effects of age, race, and sex, offering knowledge of an area's status with respect to other determinants of mortality during the five-year period. However, the user should not compare an adjusted death rate to an unadjusted death rate. Also, adjusted rates for different time periods cannot be directly compared unless they were adjusted by the same standard population. The adjusted rates since the 1986-90 time period use the 1980 North Carolina population as the standard, and that same standard will be used in subsequent reports so that five-year adjusted rates can be compared over time. The adjusted rates are depicted in the Series B maps (e.g., Figures 2.B, 3.B). [Note: For the two sex-specific cancer sites (female breast and prostate), rates are adjusted for age and race, and denominators are sex-specific.]

For the maps, a clustering routine* from the Statistical Analysis System (SAS) was used to group counties that are "most like each other" with respect to their unadjusted and their adjusted rate. These maps show five levels of death rates, where level one is the lowest rate interval and level five the highest.

A word of caution: Rates for sex-specific cancers (e.g., prostate) use male or female population in the denominator and therefore are not comparable to other rates. Thus, in ranking the causes of death—for example, in ranking the leading cancer sites—one must use the observed numbers of deaths rather than the rates.

*In 1983 the State Center for Health and Environmental Statistics conducted an evaluation of several clustering methods. It was found that the "Average Linkage Method" produced tighter clusters (i.e., clusters with smaller within-cluster variances) than the other methods examined. Consequently, this method is used to cluster county rates in this publication.

II. INTERPRETATION OF MORTALITY RATES

To assess an area's relative mortality conditions during a five-year period, both the unadjusted and the adjusted rate can be compared to the corresponding state rates for a particular cause of death. This, of course, should not be done if the area's unadjusted rate had fluctuated widely in recent years. The rate should represent a relatively stable situation. Then, the following alternative interpretations will apply:

Relative Status Of		Interpretation of Unadjusted Rate
Unadjusted Rate	Adjusted Rate	
Low	Low	Low mortality is not due to age, race, and sex factors; other mortality conditions are favorable.
Low	High	Low mortality is due to favorable age, race, and sex factors; other mortality conditions are unfavorable.
High	Low	High mortality is due to unfavorable age, race, and sex factors; other mortality conditions are favorable.
High	High	High mortality is not due to age, race, and sex factors; other mortality conditions are unfavorable.

In using adjusted rates, it is important that the user understand the reason for adjustment. Example: A and B stand for population subgroups, e.g., whites and nonwhites, males and females, etc.

	County			State		
	Population	Deaths	Death Rate*	Population	Deaths	Death Rate*
Population A	300,000	1,000	333.3	500,000	2,500	500.0
Population B	10,000	10	100.0	800,000	1,000	125.0
Total	310,000	1,010	325.8	1,300,000	3,500	269.2

*Deaths per 100,000 population.

Compared to the state, county subgroups A and B both have lower rates, but the county as a whole (A and B combined) has a higher rate. This seemingly paradoxical situation results from two factors: different proportions of A and B in the county vs. the state population and wide differences between the rates for A vs. B. In this example, it is true that the county has the higher total rate—BUT ONLY BECAUSE THE POPULATION CONTAINS A HIGH PROPORTION OF SUBGROUP A.

Certainly, it is important for program planners to know that the county has a high rate relative to the state rate; this information is needed in determining manpower, facility, and related needs. But in assessing "risk," the researcher needs to adjust for confounding factors such as age or race. To do this, multiply each population-specific county rate by the corresponding "standard" population, sum these results, and divide by the total "standard." In the above example, using the state population as the standard, the computation is:

$$\frac{(1000/300,000 \times 500,000) + (10/10,000 \times 800,000)}{1,300,000} = 0.001897 \text{ or } 189.7 \text{ per } 100,000 \text{ population}$$

Thus, as rates specific for A and B imply, the county's rate is lower than the state's rate after adjustment for the factor represented by A and B.

Caution!

In assessing the relative mortality conditions of a county, be particularly aware of rates based on small numbers of deaths since, in such cases, random fluctuation in the rate may render rate comparisons risky. The reader should read very carefully the next section entitled "Caution About Unstable Rates."

III. CAUTION ABOUT UNSTABLE RATES

Any rate with a small number of events (deaths) in the numerator will have substantial random variability over time, or a large standard error. A useful rule of thumb is that any rate based on fewer than 20 events in the numerator may involve serious random error and should be used very cautiously in making comparisons or assessing trends. Many of the rates in this volume do have numerators smaller than 20.

In addition to the problem of a large standard error in death rates due to a small numerator, the age-race-sex-adjusted rates in this volume may be unstable because of small age-race-sex population groups. One death out of an estimated population of five, for example, would produce a death rate of 20,000 per 100,000 population. If this rate were applied to the appropriate age-race-sex group of the standard population, a very large number of expected deaths would result and the adjusted rate would be extremely high. On the other hand, zero deaths in several population groups may result in a very low age-race-sex-adjusted rate. Counties with a very small nonwhite population, predominantly in western North Carolina, are particularly subject to extreme age-race-sex-adjusted rates (high or low) due to small age-race-sex-specific population groups. Unusually high or low rates in this volume should, therefore, be interpreted with caution.

IV. TABLES AND FIGURES: MORTALITY STATISTICS FOR 1988-92

TABLE 1.A
MORTALITY STATISTICS FOR 1992 AND 1988-92
ALL NORTH CAROLINA RESIDENTS

Cause of Death - Ninth Revision International Classification of Diseases	Number of Deaths 1992	Five-Year Total 1988-92	Death Rate 1992	Five-Year Death Rate 1988-92
All Causes.....	59,512	290,582	8.7	8.7
Diseases of Heart.....	(390-398, 402, 404-429)	94,793	277.3	284.9
Cerebrovascular Disease.....	(430-438)	23,005	66.8	69.1
Atherosclerosis.....	(440)	1,853	5.7	5.6
Cancer.....	(140-208)	66,147	203.7	198.8
Lip, Oral Cavity, and Pharynx.....	(140-149)	1,187	3.4	3.6
Stomach.....	(151)	1,683	5.0	5.1
Colon, Rectum, and Anus.....	(153-154)	6,757	20.6	20.3
Liver.....	(155)	922	3.1	2.8
Pancreas.....	(157)	3,358	11.0	10.1
Larynx.....	(161)	491	1.5	1.5
Trachea, Bronchus, and Lung.....	(162)	19,378	59.7	58.2
Malignant Melanoma.....	(172)	956	2.9	2.9
Bladder.....	(188)	1,145	3.5	3.4
Brain Tumors.....	(191, 225, 237)	1,719	5.1	5.2
Non-Hodgkins Lymphoma.....	(200, 202)	2,284	7.4	6.9
Leukemia.....	(204-208)	2,328	6.8	7.0
Acquired Immune Deficiency Syndrome.....	(042-044)	2,134	10.0	6.4
Septicemia.....	(038)	2,738	8.2	8.2
Diabetes Mellitus.....	(250)	6,901	20.9	20.7
Pneumonia and Influenza.....	(480-487)	9,596	28.0	28.8
Chronic Obstructive Pulmonary Disease and Allied Conditions.....	(490-496)	10,737	35.1	32.3
Chronic Liver Disease and Cirrhosis.....	(571)	3,570	10.7	10.7
Nephritis, Nephrotic Syndrome, and Nephrosis.....	(580-589)	2,740	8.0	8.2
Unintentional Motor Vehicle Injuries.....	(810-825)	7,343	19.1	22.1
All Other Unintentional Injuries and Adverse Effects.....	(800-807, 826-949)	1,394	20.4	22.3
Suicide.....	(950-959)	4,275	12.4	12.8
Homicide.....	(960-978)	3,747	11.9	11.3

TABLE 1.B
SEX-SPECIFIC MORTALITY STATISTICS FOR 1992 AND 1988-92
NORTH CAROLINA MALE AND FEMALE RESIDENTS

Cause of Death - Ninth Revision International Classification of Diseases	Number of Deaths 1992	Five-Year Total 1988-92	Death Rate 1992	Five-Year Death Rate 1988-92
Cancer				
Female Breast	(174)	5,515	32.0	32.2
Cervix Uteri	(180)	690	4.1	4.0
Ovary and Other Uterine Adnexa	(183)	1,617	8.7	9.4
Prostate	(185)	4,641	29.5	28.8

Note: The death rates of this table cannot be compared to those of Table 1.A because the denominators here are sex-specific. Therefore, in ranking the causes of death—for example, in ranking the leading cancer sites—one must use the observed numbers of deaths.

TABLE - 2

MORTALITY STATISTICS FOR 1992

NORTH CAROLINA RESIDENTS

GENERAL MORTALITY

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
NORTH CAROLINA	59512	8.7	290582	8.7	7.6
REGIONS					
D.E.H.N.R. I	7770	10.4	37963	10.4	7.4
D.E.H.N.R. II	12037	8.3	59051	8.4	7.7
D.E.H.N.R. III	12401	9.0	60321	8.9	7.5
D.E.H.N.R. IV	10906	8.0	53137	8.1	7.5
D.E.H.N.R. V	6258	8.3	30804	8.4	8.0
D.E.H.N.R. VI	6049	9.4	30005	9.5	8.0
D.E.H.N.R. VII	4091	8.1	19301	7.8	7.6
COUNTIES					
1 ALAMANCE	1101	10.0	5365	9.9	7.5
2 ALEXANDER	207	7.4	1083	7.8	7.1
3 ALLEGHANY	103	10.4	544	11.3	8.0
4 ANSON	290	12.3	1379	11.7	8.2
5 ASHE	219	9.8	1169	10.5	8.1
6 AVERY	135	9.0	747	10.0	7.9
7 BEAUFORT	543	12.7	2453	11.6	8.5
8 BERTIE	234	11.4	1231	12.1	8.9
9 BLADEN	305	10.6	1621	11.2	8.7
10 BRUNSWICK	530	9.7	2333	9.0	7.3
11 BUNCOMBE	1911	10.6	9285	10.6	7.5
12 BURKE	682	8.9	3383	8.9	7.5
13 CABARRUS	872	8.4	4409	8.9	7.5
14 CALDWELL	592	8.2	3050	8.6	7.8
15 CAMDEN	60	10.1	288	9.8	7.6
16 CARTERET	533	9.7	2503	9.5	7.8
17 CASHWELL	222	10.6	1015	9.7	7.2
18 CATAWBA	1034	8.5	5125	8.6	8.0
19 CHATHAM	355	8.7	1778	9.1	6.8
20 CHEROKEE	232	11.2	1085	10.6	6.4
21 CHOWAN	170	12.2	810	11.9	7.5
22 CLAY	72	10.0	360	10.0	6.1
23 CLEVELAND	844	9.8	4229	10.0	8.1
24 COLUMBUS	539	10.8	2779	11.1	9.0
25 CRAVEN	605	7.2	3108	7.6	7.0
26 CUMBERLAND	1626	5.7	7935	5.8	8.3
27 CURRITUCK	134	9.2	676	9.8	8.8
28 DARE	180	7.7	839	7.5	7.0
29 DAVIDSON	1105	8.4	5172	8.1	7.3
30 DAVIE	225	7.8	1180	8.4	6.8
31 DUPLIN	447	10.9	2241	11.1	8.6
32 DURHAM	1579	8.4	7381	8.1	7.4
33 EDGEcombe	601	10.6	3042	10.6	9.0
34 FORSYTH	2498	9.3	12095	9.1	7.6
35 FRANKLIN	371	9.6	1817	9.8	7.7
36 GASTON	1646	9.3	8166	9.3	8.5
37 GATES	92	9.6	522	11.1	8.1
38 GRAHAM	79	11.1	364	10.1	7.1
39 GRANVILLE	354	8.9	1931	10.0	8.1
40 GREENE	126	7.9	658	8.5	7.2
41 GUILFORD	3138	8.9	15192	8.7	7.5

* General mortality rates in this table are expressed per 1,000 population; all other cause-specific death rates in this volume are expressed per 100,000 population (See Sections I and II).

MORTALITY STATISTICS FOR 1992, NORTH CAROLINA RESIDENTS
GENERAL MORTALITY CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
42 HALIFAX	649	11.5	3265	11.7	8.6
43 HARNETT	591	8.3	3008	8.8	8.0
44 HAYWOOD	510	10.6	2588	10.9	7.4
45 HENDERSON	960	13.0	4257	12.2	6.9
46 HERTFORD	296	13.3	1353	12.0	8.1
47 HOKE	212	9.0	936	8.2	8.5
48 HYDE	60	11.2	334	12.2	8.3
49 IREDELL	872	9.0	4301	9.2	7.5
50 JACKSON	240	8.7	1165	8.6	6.8
51 JOHNSTON	778	9.0	3865	9.4	8.2
52 JONES	89	9.4	439	9.4	7.3
53 LEE	408	9.5	1952	9.4	8.0
54 LENOIR	634	10.9	3141	10.9	8.6
55 LINCOLN	415	8.0	2004	8.0	7.3
56 MCCOONELL	331	9.2	1812	10.1	7.9
57 MACON	294	11.9	1370	11.6	6.6
58 MADISON	189	11.0	935	11.0	9.1
59 MARTIN	284	11.0	1436	11.3	8.6
60 MECKLENBURG	3843	7.2	18360	7.2	7.4
61 MITCHELL	179	12.3	827	11.5	7.5
62 MONTGOMERY	243	10.3	1148	9.8	8.0
63 MOORE	694	11.3	3285	11.1	7.0
64 NASH	755	9.5	3693	9.7	8.3
65 NEW HANOVER	1170	9.1	5250	8.6	7.5
66 NORTHAMPTON	276	13.3	1318	12.6	7.7
67 ONSLOW	591	4.1	2839	3.8	7.3
68 ORANGE	593	5.9	2723	5.8	6.5
69 PAMLICO	113	9.9	633	11.2	7.2
70 PASQUOTANK	292	9.1	1588	10.2	7.9
71 PENDER	281	9.1	1356	9.3	7.1
72 PERQUIMANS	138	13.2	638	12.3	7.7
73 PERSON	278	9.0	1461	9.6	7.4
74 PITT	917	8.1	4312	8.0	8.0
75 POLK	234	15.5	1062	14.6	7.8
76 RANDOLPH	900	8.2	4328	8.1	7.4
77 RICHMOND	480	10.6	2421	10.8	8.6
78 ROBESON	1004	9.4	4896	9.3	8.9
79 ROCKINGHAM	887	10.3	4337	10.1	7.8
80 ROWAN	1162	10.3	5719	10.3	7.6
81 RUTHERFORD	584	10.1	2980	10.5	7.8
82 SAMPSON	513	10.6	2616	10.9	8.3
83 SCOTLAND	300	8.7	1559	9.2	8.6
84 STANLY	524	9.9	2510	9.7	7.6
85 STOKES	317	8.3	1505	8.1	7.2
86 SURRY	604	9.6	3067	9.9	7.9
87 SWAIN	125	11.1	705	12.7	9.1
88 TRANSYLVANIA	257	9.8	1243	9.6	6.2
89 TYRRELL	45	11.6	229	11.8	7.2
90 UNION	618	7.0	3145	7.4	7.9
91 VANCE	412	10.5	2203	11.3	9.2
92 WAKE	2544	5.5	12143	5.7	6.8
93 WARREN	251	14.4	1070	12.4	7.1
94 WASHINGTON	126	9.0	715	10.2	7.6
95 WATAUGA	219	5.8	1127	6.1	5.4
96 WAYNE	911	8.5	4602	8.8	8.6
97 WILKES	545	9.0	2658	8.9	7.4
98 WILSON	702	10.5	3495	10.6	8.7
99 YADKIN	318	10.1	1567	10.2	7.3
100 YANCEY	184	11.6	745	9.6	5.7

* SEE SECTION II

STATE CENTER FOR HEALTH AND ENVIRONMENTAL STATISTICS
DEPARTMENT OF ENVIRONMENT, HEALTH AND NATURAL RESOURCES

GENERAL MORTALITY

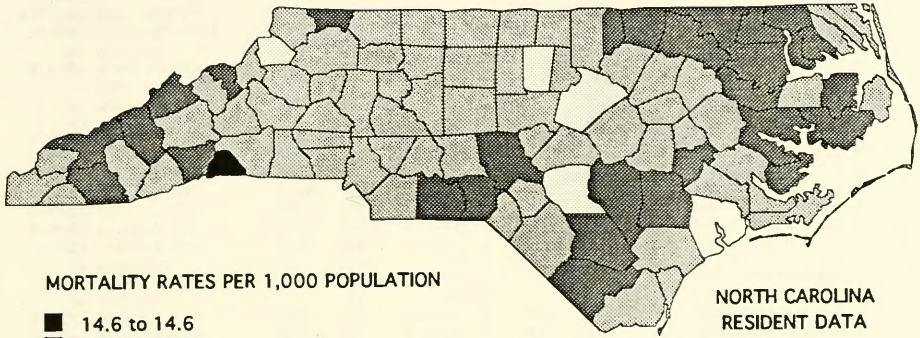


FIGURE 2.A

GENERAL MORTALITY

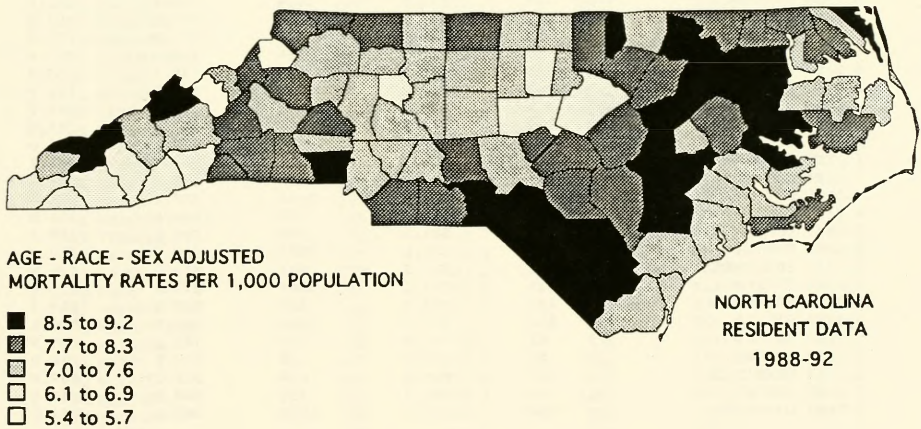


FIGURE 2.B

T A B L E - 3
MORTALITY STATISTICS FOR 1992
NORTH CAROLINA RESIDENTS
DISEASES OF THE HEART

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
NORTH CAROLINA	18961	277.3	94793	284.9	241.8
REGIONS					
D.E.H.N.R. I	2588	347.0	12865	351.9	228.6
D.E.H.N.R. II	3945	271.0	19827	281.3	253.0
D.E.H.N.R. III	3990	290.2	19548	289.5	232.0
D.E.H.N.R. IV	3266	239.5	16681	255.2	236.9
D.E.H.N.R. V	2019	269.2	10204	278.2	268.9
D.E.H.N.R. VI	1873	291.0	9649	306.2	254.5
D.E.H.N.R. VII	1280	254.1	6019	244.1	237.6
COUNTIES					
1 ALAMANCE	377	342.8	1753	323.9	231.6
2 ALEXANDER	70	249.3	380	274.1	244.6
3 ALLEGHANY	28	283.3	178	368.4	256.8
4 ANSON	118	501.2	507	429.7	284.9
5 ASHE	71	316.5	409	365.9	232.5
6 AVERY	58	386.7	286	383.8	295.0
7 BEAUFORT	194	452.8	819	386.4	272.4
8 BERTIE	71	346.2	384	376.3	272.7
9 BLADEN	89	310.7	542	375.5	287.1
10 BRUNSWICK	171	313.7	775	300.0	235.5
11 BUNCOMBE	592	328.5	2884	329.1	220.0
12 BURKE	246	319.9	1195	314.1	256.7
13 CABARRUS	309	297.4	1529	307.5	253.4
14 CALDWELL	206	286.8	1016	286.1	238.3
15 CAMDEN	16	268.8	89	303.2	232.0
16 CARTERET	163	295.5	768	290.4	228.0
17 CASHELL	69	329.3	328	313.9	229.3
18 CATAWBA	329	271.0	1684	283.7	251.1
19 CHATHAM	107	262.7	570	292.6	207.0
20 CHEROKEE	78	376.3	399	391.2	211.9
21 CHOWAN	57	407.9	254	371.8	224.9
22 CLAY	23	320.2	136	378.1	198.0
23 CLEVELAND	308	358.2	1563	368.3	284.9
24 COLUMBUS	189	377.0	947	378.9	299.7
25 CRAVEN	183	218.6	999	243.8	236.4
26 CUMBERLAND	508	179.2	2527	183.8	294.0
27 CURRITUCK	48	329.5	214	309.5	273.3
28 DARE	46	197.8	239	212.8	198.6
29 DAVIDSON	435	328.9	1836	287.2	251.4
30 DAVIE	73	252.9	406	289.6	216.0
31 DUPLIN	130	316.6	698	345.8	259.1
32 DURHAM	421	224.0	2087	229.1	210.0
33 EDGEcombe	182	321.3	937	326.6	274.5
34 FORSYTH	734	272.2	3689	277.0	223.6
35 FRANKLIN	114	293.9	600	325.1	249.7
36 GASTON	604	341.5	3064	349.1	308.6
37 GATES	31	324.3	180	383.6	259.9
38 GRAHAM	28	393.5	135	375.3	216.0
39 GRANVILLE	107	269.4	634	327.2	269.9
40 GREENE	46	287.7	234	300.8	265.0
41 GUILFORD	954	269.1	4668	268.6	224.8

* SEE SECTION II

MORTALITY STATISTICS FOR 1992, NORTH CAROLINA RESIDENTS
DISEASES OF THE HEART CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
42 HALIFAX	227	400.8	1083	388.2	290.9
43 HARNETT	188	265.5	973	284.8	255.5
44 HAYWOOD	177	366.3	898	378.2	225.9
45 HENDERSON	283	391.5	1438	412.2	209.5
46 HERTFORD	82	368.0	420	372.4	249.1
47 HOKE	61	258.5	288	251.2	266.9
48 HYDE	13	241.7	109	399.2	262.4
49 IREDELL	303	312.8	1478	315.1	247.7
50 JACKSON	79	286.9	365	269.9	210.3
51 JOHNSTON	291	336.4	1445	351.6	300.3
52 JONES	34	359.4	151	321.7	247.8
53 LEE	112	259.6	645	310.4	252.6
54 LENOIR	184	315.3	1071	371.7	289.3
55 LINCOLN	128	246.2	714	284.2	246.2
56 MCDOWELL	128	355.6	666	372.8	277.6
57 MACON	101	409.6	459	387.9	181.8
58 MAISON	61	354.0	298	350.3	204.1
59 MARTIN	100	388.3	448	353.1	269.3
60 MECKLENBURG	1083	201.9	5404	211.0	220.7
61 MITCHELL	58	400.1	298	413.9	183.8
62 MONTGOMERY	88	374.0	381	326.3	256.0
63 MOORE	225	366.3	1087	366.7	214.4
64 NASH	234	294.8	1194	312.6	262.0
65 NEW HANOVER	361	282.2	1613	265.7	223.8
66 NORTHAMPTON	92	443.8	434	415.5	260.6
67 ONSLOW	166	115.3	778	105.3	227.7
68 ORANGE	168	168.5	768	162.3	183.5
69 PAMLICO	31	270.8	204	359.4	213.9
70 PASQUOTANK	95	296.9	553	353.9	265.6
71 PENDER	100	323.1	440	303.0	221.5
72 PERQUIMANS	50	479.1	189	362.9	214.4
73 PERSON	102	331.5	502	331.4	242.7
74 PITT	239	211.2	1194	220.2	226.8
75 POLK	84	556.8	366	503.8	235.4
76 RANDOLPH	299	273.7	1452	272.7	237.2
77 RICHMOND	166	367.2	834	372.7	283.3
78 ROBESON	310	288.9	1618	306.3	298.3
79 ROCKINGHAM	300	348.0	1461	339.8	248.7
80 ROWAN	397	352.1	1971	356.2	247.0
81 RUTHERFORD	208	360.1	1141	400.5	274.0
82 SAMPSON	165	341.6	892	373.4	274.4
83 SCOTLAND	101	294.6	555	327.3	314.3
84 STANLY	176	332.0	895	344.5	259.2
85 STOKES	101	264.5	510	273.3	239.3
86 SURRY	207	329.8	1054	340.5	256.4
87 SWAIN	39	346.9	264	474.1	296.7
88 TRANSYLVANIA	83	315.1	393	304.7	161.4
89 TYRRELL	18	463.1	87	450.1	250.5
90 UNION	238	269.7	1145	270.4	288.3
91 VANCE	132	337.8	796	409.6	333.6
92 WAKE	718	156.2	3577	166.8	206.5
93 WARREN	63	361.1	325	376.1	220.3
94 WASHINGTON	42	300.2	250	356.1	266.6
95 WATAUGA	75	198.6	373	201.9	161.7
96 WAYNE	293	273.5	1561	297.6	297.4
97 WILKES	167	276.6	895	298.7	234.4
98 WILSON	196	293.1	1084	327.5	268.3
99 YADKIN	100	316.2	536	348.4	247.6
100 YANCEY	56	354.1	228	293.4	173.0

* SEE SECTION II

STATE CENTER FOR HEALTH AND ENVIRONMENTAL STATISTICS
DEPARTMENT OF ENVIRONMENT, HEALTH AND NATURAL RESOURCES

DISEASES OF THE HEART

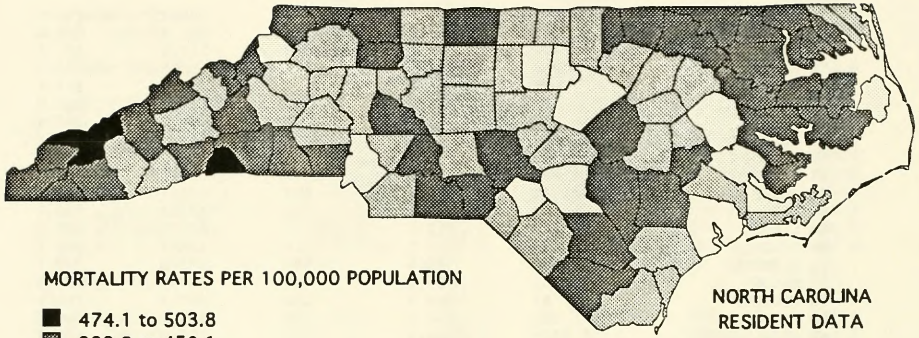


FIGURE 3.A

DISEASES OF THE HEART

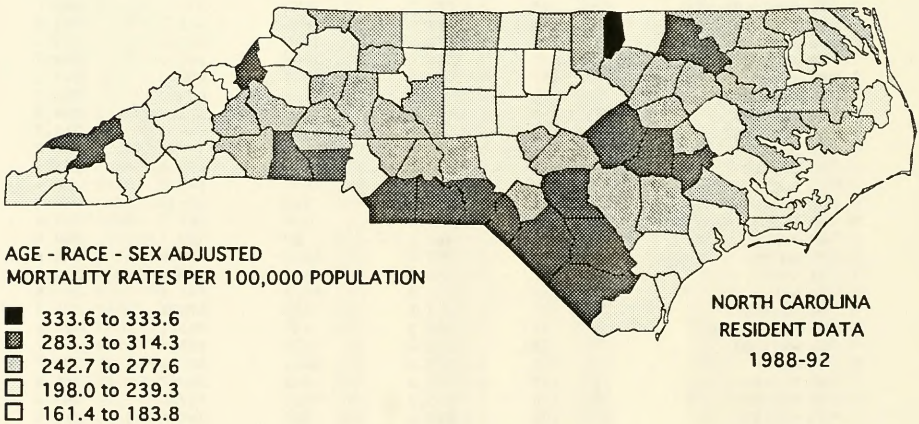


FIGURE 3.B

TABLE - 4

MORTALITY STATISTICS FOR 1992

NORTH CAROLINA RESIDENTS

CEREBROVASCULAR

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
NORTH CAROLINA	4568	66.8	23005	69.1	57.1
REGIONS					
D.E.H.N.R. I	514	68.9	2832	77.5	49.8
D.E.H.N.R. II	923	63.4	4396	62.4	55.8
D.E.H.N.R. III	976	71.0	5002	74.1	57.2
D.E.H.N.R. IV	881	64.6	4388	67.1	58.9
D.E.H.N.R. V	468	62.4	2402	65.5	60.4
D.E.H.N.R. VI	494	76.8	2409	76.5	59.5
D.E.H.N.R. VII	312	61.9	1576	63.9	62.1
COUNTIES					
1 ALAMANCE	84	76.4	407	75.2	52.3
2 ALEXANDER	13	46.3	72	51.9	47.9
3 ALLEGHANY	7	70.8	43	89.0	43.1
4 ANSON	28	118.9	132	111.9	63.0
5 ASHE	20	89.2	99	88.6	90.5
6 AVERY	4	26.7	30	40.3	37.2
7 BEAUFORT	35	81.7	174	82.1	53.6
8 BERTIE	24	117.0	115	112.7	72.9
9 BLADEN	16	55.9	132	91.4	59.7
10 BRUNSWICK	37	67.9	155	60.0	50.0
11 BUNCOMBE	132	73.2	724	82.6	53.2
12 BURKE	26	33.8	176	46.3	38.1
13 CABARRUS	51	49.1	302	60.7	48.7
14 CALDWELL	32	44.6	220	61.9	52.8
15 CAMDEN	5	84.0	29	98.8	73.5
16 CARTERET	31	56.2	183	69.2	62.5
17 CASHWELL	23	109.8	96	91.9	60.6
18 CATAWBA	67	55.2	331	55.8	52.1
19 CHATHAM	28	68.8	144	73.9	50.8
20 CHEROKEE	8	38.6	70	68.6	33.5
21 CHOWAN	14	100.2	80	117.1	65.4
22 CLAY	2	27.8	23	63.9	26.3
23 CLEVELAND	68	79.1	316	74.5	57.4
24 COLUMBUS	43	85.8	258	103.2	76.3
25 CRAVEN	42	50.2	251	61.3	57.7
26 CUMBERLAND	78	27.5	482	35.0	55.3
27 CURRITUCK	10	68.7	44	63.6	54.4
28 DARE	12	51.6	56	49.9	52.8
29 DAVIDSON	75	56.7	392	61.3	54.4
30 DAVIE	14	48.5	71	50.6	41.2
31 DUPLIN	61	148.5	242	119.9	83.5
32 DURHAM	121	64.4	544	59.7	51.3
33 EDGEcombe	53	93.6	296	103.2	84.0
34 FORSYTH	215	79.7	1045	78.5	59.1
35 FRANKLIN	20	51.6	164	88.9	63.7
36 GASTON	102	57.7	574	65.4	57.1
37 GATES	5	52.3	39	83.1	57.8
38 GRAHAM	1	14.1	27	75.1	49.3
39 GRANVILLE	37	93.2	179	92.4	69.3
40 GREENE	13	81.3	44	56.6	50.8
41 GUILFORD	253	71.4	1318	75.8	59.2

* SEE SECTION II

MORTALITY STATISTICS FOR 1992, NORTH CAROLINA RESIDENTS
CEREBROVASCULAR CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
42 HALIFAX	50	88.3	312	111.8	72.1
43 HARNETT	31	43.8	194	56.8	49.6
44 HAYWOOD	37	76.6	187	78.8	62.2
45 HENDERSON	70	96.8	353	101.2	55.4
46 HERTFORD	32	143.6	127	112.6	62.9
47 Hoke	22	93.2	78	68.0	68.5
48 HYOE	5	93.0	34	124.5	73.2
49 IREDELL	79	81.6	355	75.7	58.0
50 JACKSON	14	50.8	81	59.9	41.9
51 JOHNSTON	60	69.4	299	72.7	60.5
52 JONES	10	105.7	38	81.0	53.1
53 LEE	24	55.6	114	54.9	44.4
54 LENOIR	68	116.5	274	95.1	68.4
55 LINCOLN	39	75.0	198	78.8	73.8
56 MCDOWELL	21	58.3	143	80.0	64.3
57 MACON	25	101.4	94	79.4	40.6
58 MADISON	19	110.3	109	128.1	66.1
59 MARTIN	13	50.5	95	74.9	51.9
60 MECKLENBURG	307	57.2	1291	50.4	51.5
61 MITCHELL	10	69.0	58	80.6	161.1
62 MONTGOMERY	17	72.3	94	80.5	62.9
63 MOORE	72	117.2	317	106.9	61.9
64 NASH	63	79.4	325	85.1	68.7
65 NEW HANOVER	93	72.7	486	80.1	66.0
66 NORTHAMPTON	25	120.6	125	119.7	61.1
67 ONSLOW	22	15.3	145	19.6	43.6
68 ORANGE	46	46.2	186	39.3	41.4
69 PAMLICO	9	78.6	56	98.7	53.8
70 PASQUOTANK	27	84.4	131	83.8	58.7
71 PENDER	25	80.8	107	73.7	52.0
72 PERQUIMANS	15	143.7	62	119.1	66.2
73 PERSON	26	84.5	121	79.9	57.2
74 PITT	78	68.9	373	68.8	63.5
75 POLK	20	132.6	77	106.0	55.2
76 RANDOLPH	57	52.2	327	61.4	55.9
77 RICHMOND	32	70.8	183	81.8	60.4
78 ROBESON	89	82.9	407	77.1	72.3
79 ROCKINGHAM	75	87.0	401	93.3	66.2
80 ROWAN	99	87.8	500	90.4	62.0
81 RUTHERFORD	39	67.5	233	81.8	52.2
82 SAMPSON	53	109.7	262	109.7	76.4
83 SCOTLAND	30	87.5	121	71.4	59.2
84 STANLY	54	101.9	239	92.0	66.4
85 STOKES	25	65.5	137	73.4	66.8
86 SURRY	45	71.7	246	79.5	55.7
87 SWAIN	14	124.5	54	97.0	62.6
88 TRANSYLVANIA	21	79.7	89	69.0	35.6
89 TYRRELL	5	128.6	18	93.1	47.7
90 UNION	44	49.9	218	51.5	54.5
91 VANCE	28	71.7	147	75.6	51.1
92 WAKE	211	45.9	979	45.6	54.9
93 WARREN	24	137.6	111	128.5	55.9
94 WASHINGTON	9	64.3	44	62.7	46.8
95 WATAUGA	5	13.2	74	40.0	38.0
96 WAYNE	63	58.8	325	62.0	58.5
97 WILKES	50	82.8	234	78.1	63.5
98 WILSON	65	97.2	342	103.3	77.2
99 YADKIN	28	88.5	112	72.8	47.0
100 YANCEY	19	120.2	84	108.1	48.7

* SEE SECTION II

STATE CENTER FOR HEALTH AND ENVIRONMENTAL STATISTICS
DEPARTMENT OF ENVIRONMENT, HEALTH AND NATURAL RESOURCES

CEREBROVASCULAR DISEASE

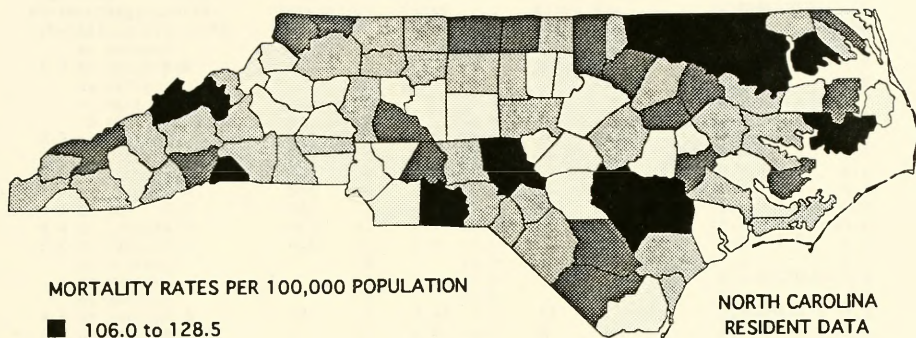


FIGURE 4.A

CEREBROVASCULAR DISEASE

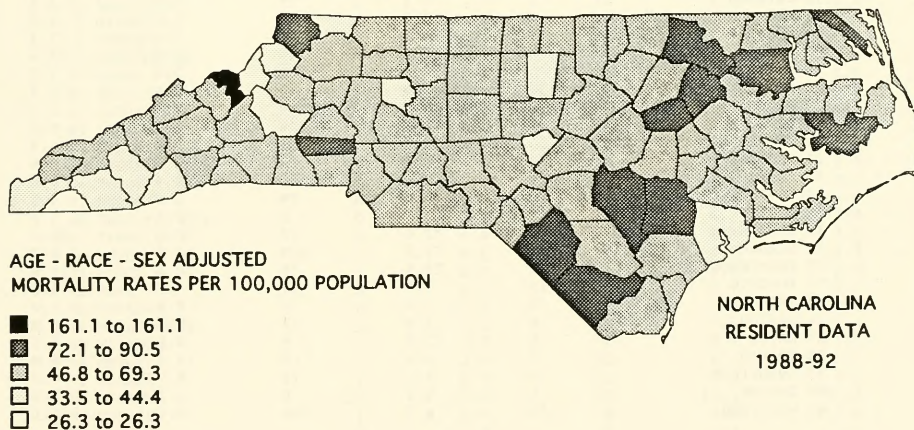


FIGURE 4.B

TABLE - 5
MORTALITY STATISTICS FOR 1992
NORTH CAROLINA RESIDENTS
ATHEROSCLEROSIS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
NORTH CAROLINA	389	5.7	1853	5.6	4.4
REGIONS					
O.E.H.N.R. I	42	5.6	228	6.2	3.8
O.E.H.N.R. II	74	5.1	327	4.6	4.0
O.E.H.N.R. III	77	5.6	378	5.6	4.1
O.E.H.N.R. IV	74	5.4	378	5.8	4.9
O.E.H.N.R. V	42	5.6	156	4.3	3.9
O.E.H.N.R. VI	54	8.4	256	8.1	6.6
O.E.H.N.R. VII	26	5.2	130	5.3	5.1
COUNTIES					
1 ALAMANCE	16	14.5	45	8.3	5.6
2 ALEXANDER	0	0.0	1	0.7	0.6
3 ALLEGHANY	1	10.1	3	6.2	2.3
4 ANSON	1	4.2	2	1.7	0.5
5 ASHE	1	4.5	15	13.4	53.9
6 AVERY	0	0.0	0	0.0	0.0
7 BEAUFORT	2	4.7	8	3.8	2.5
8 BERTIE	3	14.6	6	5.9	5.0
9 BLADEN	5	17.5	17	11.8	8.5
10 BRUNSWICK	4	7.3	14	5.4	5.1
11 BUNCOMBE	18	10.0	76	8.7	5.6
12 BURKE	4	5.2	14	3.7	2.5
13 CABARRUS	2	1.9	15	3.0	2.5
14 CALDWELL	1	1.4	8	2.3	1.6
15 CAMDEN	0	0.0	6	20.4	15.6
16 CARTERET	0	0.0	3	1.1	1.7
17 CASHELL	2	9.5	7	6.7	5.3
18 CATAWBA	5	4.1	22	3.7	3.1
19 CHATHAM	0	0.0	6	3.1	1.9
20 CHEROKEE	3	14.5	8	7.8	3.1
21 CHOHAN	4	28.6	15	22.0	12.4
22 CLAY	1	13.9	1	2.8	1.3
23 CLEVELAND	15	17.4	31	7.3	5.3
24 COLUMBUS	0	0.0	9	3.6	2.7
25 CRAVEN	3	3.6	26	6.3	5.6
26 CUMBERLAND	14	4.9	35	2.5	4.3
27 CURRITUCK	3	20.6	7	10.1	8.4
28 OARE	4	17.2	10	8.9	6.5
29 OAVIOTSON	2	1.5	24	3.8	3.7
30 OAVIE	2	6.9	3	2.1	1.3
31 OUPLIN	7	17.0	42	20.8	15.2
32 DURHAM	23	12.2	109	12.0	8.7
33 EDGEcombe	11	19.4	30	10.5	11.0
34 FORSYTH	10	3.7	57	4.3	3.2
35 FRANKLIN	1	2.6	4	2.2	1.7
36 GASTON	6	3.4	27	3.1	2.8
37 GATES	1	10.5	4	8.5	5.1
38 GRAHAM	0	0.0	4	11.1	5.8
39 GRANVILLE	1	2.5	11	5.7	4.8
40 GREENE	1	6.3	4	5.1	3.5
41 GUILFORD	23	6.5	144	8.3	6.3

* SEE SECTION II

MORTALITY STATISTICS FOR 1992, NORTH CAROLINA RESIDENTS
ATHEROSCLEROSIS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
42 HALIFAX	2	3.5	18	6.5	4.2
43 HARNETT	1	1.4	8	2.3	2.0
44 HAYWOOD	0	0.0	7	2.9	1.4
45 HENDERSON	0	0.0	13	3.7	1.2
46 HERTFORD	5	22.4	18	16.0	12.0
47 HOKE	0	0.0	4	3.5	1.7
48 HYOE	0	0.0	1	3.7	2.1
49 IREDELL	3	3.1	15	3.2	2.1
50 JACKSON	0	0.0	5	3.7	3.6
51 JOHNSTON	2	2.3	13	3.2	2.6
52 JONES	0	0.0	2	4.3	4.1
53 LEE	3	7.0	14	6.7	5.2
54 LENOIR	12	20.6	50	17.4	13.0
55 LINCOLN	3	5.8	11	4.4	4.2
56 MCCOY	5	13.9	27	15.1	8.8
57 MACON	0	0.0	6	5.1	2.1
58 MADISON	0	0.0	5	5.9	2.3
59 MARTIN	2	7.8	6	4.7	3.3
60 MECKLENBURG	13	2.4	88	3.4	3.4
61 MITCHELL	2	13.8	4	5.6	1.9
62 MONTGOMERY	0	0.0	0	0.0	0.0
63 MOORE	1	1.6	20	6.7	3.4
64 NASH	2	2.5	18	4.7	3.9
65 NEW HANOVER	9	7.0	43	7.1	5.6
66 NORTHAMPTON	2	9.6	11	10.5	5.9
67 ONSLOW	2	1.4	8	1.1	2.3
68 ORANGE	3	3.0	25	5.3	5.9
69 PAMLICO	1	8.7	4	7.0	4.2
70 PASQUOTANK	1	3.1	12	7.7	5.4
71 PENDER	4	12.9	11	7.6	5.6
72 PERQUIMANS	3	28.7	23	44.2	24.2
73 PERSON	1	3.3	6	4.0	2.5
74 PITT	2	1.8	18	3.3	3.7
75 POLK	1	6.6	9	12.4	3.9
76 RANDOLPH	5	4.6	17	3.2	3.6
77 RICHMOND	6	13.3	15	6.7	4.8
78 ROBESON	14	13.0	43	8.1	8.1
79 ROCKINGHAM	3	3.5	11	2.6	1.8
80 ROWAN	19	16.8	76	13.7	8.4
81 RUTHERFORD	7	12.1	25	8.8	5.2
82 SAMPSON	0	0.0	8	3.3	2.8
83 SCOTLAND	0	0.0	4	2.4	1.6
84 STANLY	8	15.1	31	11.9	8.2
85 STOKES	3	7.9	7	3.8	2.4
86 SURRY	3	4.8	13	4.2	2.7
87 SWAIN	0	0.0	7	12.6	5.9
88 TRANSYLVANIA	0	0.0	6	4.7	2.0
89 TYRRELL	0	0.0	1	5.2	1.8
90 UNION	0	0.0	10	2.4	2.9
91 VANCE	1	2.6	4	2.1	1.5
92 WAKE	6	1.3	52	2.4	2.9
93 WARREN	2	11.5	8	9.3	4.3
94 WASHINGTON	1	7.1	3	4.3	3.6
95 WATAUGA	3	7.9	5	2.7	1.8
96 WAYNE	6	5.6	32	6.1	5.9
97 WILKES	2	3.3	22	7.3	6.7
98 WILSON	14	20.9	49	14.8	11.1
99 YADKIN	1	3.2	5	3.3	1.6
100 YANCEY	0	0.0	3	3.9	1.5

* SEE SECTION II

STATE CENTER FOR HEALTH AND ENVIRONMENTAL STATISTICS
DEPARTMENT OF ENVIRONMENT, HEALTH AND NATURAL RESOURCES

TABLE - 6

MORTALITY STATISTICS FOR 1992

NORTH CAROLINA RESIDENTS

CANCER - ALL SITES

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
NORTH CAROLINA	13925	203.7	66147	198.8	178.5
REGIONS					
D.E.H.N.R. I	1924	258.0	8885	243.0	175.5
D.E.H.N.R. II	2795	192.0	13358	189.5	179.4
D.E.H.N.R. III	2847	207.1	13670	202.5	174.3
D.E.H.N.R. IV	2610	191.4	12130	185.6	179.8
D.E.H.N.R. V	1381	184.1	6597	179.9	180.4
D.E.H.N.R. VI	1377	214.0	6830	216.8	187.4
D.E.H.N.R. VII	991	196.7	4677	189.6	188.0
COUNTIES					
1 ALAMANCE	231	210.0	1198	221.3	171.4
2 ALEXANDER	51	181.6	222	160.1	145.1
3 ALLEGHANY	24	242.8	118	244.2	216.3
4 ANSON	69	293.1	263	222.9	174.9
5 ASHE	44	196.1	268	239.8	187.0
6 AVERY	29	193.3	147	197.3	143.6
7 BEAUFORT	127	296.4	570	269.0	204.9
8 BERTIE	53	258.4	267	261.6	191.2
9 BLADEN	71	247.8	313	216.8	171.4
10 BRUNSWICK	132	242.1	600	232.2	175.4
11 BUNCOMBE	500	277.4	2285	260.8	190.1
12 BURKE	166	215.9	797	209.5	181.4
13 CABARRUS	209	201.1	1025	206.1	178.4
14 CALDWELL	157	218.6	726	204.4	184.5
15 CAMDEN	11	184.8	62	211.2	161.8
16 CARTERET	145	262.9	668	252.5	205.1
17 CASHWELL	52	248.1	234	223.9	168.3
18 CATAWBA	251	206.7	1187	200.0	182.9
19 CHATHAM	87	213.6	425	218.1	168.0
20 CHEROKEE	71	342.6	256	251.0	157.3
21 CHOWAN	37	264.8	192	281.0	187.0
22 CLAY	25	348.0	102	283.6	165.1
23 CLEVELAND	147	171.0	854	201.2	166.7
24 COLUMBUS	111	221.4	565	226.1	187.6
25 CRAVEN	140	167.2	711	173.5	171.3
26 CUMBERLAND	356	125.6	1747	127.0	192.4
27 CURRITUCK	28	192.2	171	247.3	219.9
28 DARE	47	202.1	243	216.3	184.2
29 DAVIDSON	237	179.2	1180	184.6	164.4
30 DAVIE	64	221.7	285	203.3	166.6
31 DUPLIN	105	255.7	473	234.3	183.0
32 DURHAM	381	202.8	1772	194.5	193.7
33 EDGECOMBE	138	243.6	683	238.1	209.5
34 FORSYTH	564	209.1	2679	201.1	176.5
35 FRANKLIN	91	234.6	374	202.6	165.9
36 GASTON	360	203.5	1790	203.9	190.2
37 GATES	19	198.8	110	234.4	176.3
38 GRAHAM	18	253.0	79	219.6	123.3
39 GRANVILLE	75	188.9	398	205.4	164.3
40 GREENE	26	162.6	134	172.2	142.7
41 GUILFORD	720	203.1	3542	203.8	183.4

* SEE SECTION II

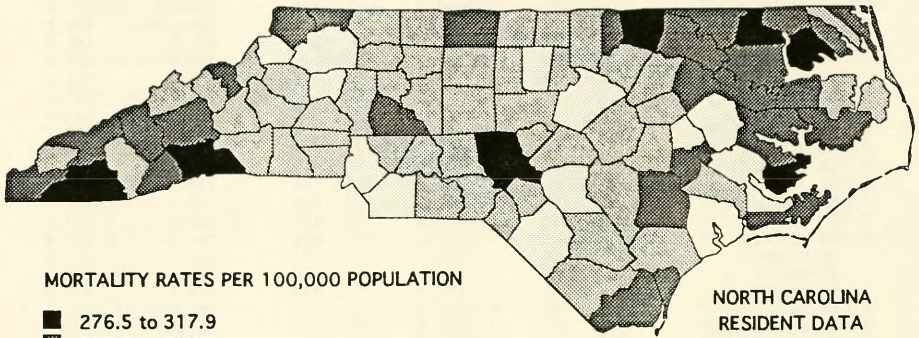
MORTALITY STATISTICS FOR 1992, NORTH CAROLINA RESIDENTS
CANCER - ALL SITES CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
42 HALIFAX	141	248.9	697	249.8	183.4
43 HARNETT	160	225.9	704	206.1	192.1
44 HAYWOOD	120	248.3	599	252.3	196.1
45 HENDERSON	258	356.9	1043	298.9	172.5
46 HERTFORD	71	318.7	323	286.4	211.9
47 HOKE	41	173.8	228	198.9	233.3
48 HYDE	13	241.7	67	245.4	169.0
49 IREDELL	202	208.5	940	200.4	166.2
50 JACKSON	52	188.8	257	190.1	150.5
51 JOHNSTON	164	189.6	802	195.1	173.2
52 JONES	20	211.4	90	191.7	137.0
53 LEE	104	241.1	445	214.1	180.9
54 LENOIR	143	245.1	674	233.9	187.9
55 LINCOLN	101	194.2	471	187.5	173.9
56 MCDOOWELL	76	211.1	397	222.2	164.8
57 MACON	63	255.5	346	292.4	183.7
58 MADISON	41	238.0	177	208.1	353.8
59 MARTIN	68	264.1	327	257.7	196.1
60 MECKLENBURG	933	173.9	4297	167.8	182.7
61 MITCHELL	48	331.1	188	261.1	130.1
62 MONTGOMERY	53	225.3	256	219.2	185.5
63 MOORE	180	293.1	821	277.0	171.0
64 NASH	178	224.3	789	206.6	182.4
65 NEW HANOVER	299	233.7	1402	230.9	204.0
66 NORTHAMPTON	70	337.6	273	261.4	151.4
67 ONSLOW	132	91.7	664	89.8	189.9
68 ORANGE	161	161.5	680	143.7	172.7
69 PAMLICO	37	323.2	165	290.7	194.2
70 PASQUOTANK	69	215.7	367	234.9	189.4
71 PENDER	67	216.5	305	210.1	158.3
72 PERQUIMANS	27	258.7	144	276.5	175.5
73 PERSON	59	191.8	325	214.6	170.7
74 PITT	177	156.4	966	178.2	192.0
75 POLK	53	351.3	231	317.9	185.2
76 RANDOLPH	226	206.9	1017	191.0	175.4
77 RICHMOND	111	245.6	505	225.7	181.3
78 ROBESON	179	166.8	927	175.5	185.3
79 ROCKINGHAM	220	255.2	1014	235.8	189.0
80 ROWAN	265	235.0	1306	236.0	178.0
81 RUTHERFORD	130	225.1	629	220.8	171.0
82 SAMPSON	96	193.7	518	216.8	168.9
83 SCOTLAND	65	189.6	315	185.8	183.5
84 STANLY	139	262.2	563	216.7	174.0
85 STOKES	79	206.9	354	189.7	168.0
86 SURRY	129	205.5	665	214.8	174.7
87 SWAIN	21	186.8	131	235.2	180.0
88 TRANSYLVANIA	60	227.8	338	262.1	173.1
89 TYRRELL	5	128.6	42	217.3	141.2
90 UNION	137	155.2	703	166.0	178.7
91 VANCE	101	258.5	475	244.4	203.3
92 WAKE	639	139.1	2971	138.5	172.9
93 WARREN	76	435.6	265	306.7	183.6
94 WASHINGTON	35	250.2	167	237.8	183.6
95 WATAUGA	60	158.9	264	142.9	147.4
96 WAYNE	224	209.1	1038	197.9	193.0
97 WILKES	123	203.7	513	171.2	138.2
98 WILSON	145	216.8	756	228.4	196.7
99 YADKIN	74	234.0	339	220.4	157.8
100 YANCEY	36	227.7	157	202.0	121.2

* SEE SECTION II

STATE CENTER FOR HEALTH AND ENVIRONMENTAL STATISTICS
DEPARTMENT OF ENVIRONMENT, HEALTH AND NATURAL RESOURCES

CANCER - ALL SITES



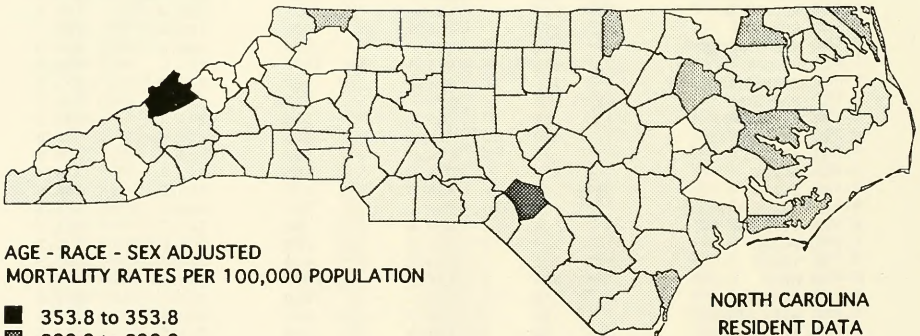
MORTALITY RATES PER 100,000 POPULATION

- 276.5 to 317.9
- ▨ 230.9 to 269.0
- ▩ 184.6 to 228.4
- 127.0 to 178.2
- 89.8 to 127.2

NORTH CAROLINA
RESIDENT DATA
1988-92

FIGURE 5.A

CANCER - ALL SITES



AGE - RACE - SEX ADJUSTED
MORTALITY RATES PER 100,000 POPULATION

- 353.8 to 353.8
- ▨ 233.3 to 233.3
- ▩ 203.3 to 219.9
- 157.3 to 196.7
- 121.2 to 151.4

NORTH CAROLINA
RESIDENT DATA
1988-92

FIGURE 5.B

TABLE - 7
MORTALITY STATISTICS FOR 1992
NORTH CAROLINA RESIDENTS
CANCER - COLON, RECTUM AND ANUS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
NORTH CAROLINA	1410	20.6	6757	20.3	17.8
REGIONS					
D.E.H.N.R. I	205	27.5	957	26.2	18.6
D.E.H.N.R. II	301	20.7	1331	18.9	17.1
D.E.H.N.R. III	289	21.0	1402	20.8	17.5
D.E.H.N.R. IV	250	16.9	1166	17.8	16.8
D.E.H.N.R. V	139	18.5	686	18.7	18.3
D.E.H.N.R. VI	151	23.5	751	23.8	20.2
D.E.H.N.R. VII	95	18.9	464	18.8	18.5
COUNTIES					
1 ALAMANCE	27	24.6	121	22.4	16.9
2 ALEXANDER	7	24.9	23	16.6	14.6
3 ALLEGHANY	0	0.0	10	20.7	18.9
4 ANSON	7	29.7	28	23.7	15.1
5 ASHE	7	31.2	29	25.9	29.7
6 AVERY	3	20.0	18	24.2	14.9
7 BEAUFORT	10	23.3	49	23.1	18.0
8 BERTIE	6	29.3	38	37.2	28.3
9 BLADEN	8	27.9	28	19.4	13.7
10 BRUNSWICK	14	25.7	53	20.5	15.7
11 BUNCOMBE	61	33.8	242	27.6	20.6
12 BURKE	19	24.7	82	21.6	18.2
13 CABARRUS	26	25.0	99	19.9	16.2
14 CALDWELL	14	19.5	71	20.0	17.1
15 CAMDEN	2	33.6	5	17.0	12.5
16 CARTERET	10	18.1	65	24.6	21.3
17 CASHELL	6	28.6	29	27.7	17.7
18 CATAWBA	28	23.1	138	23.2	19.8
19 CHATHAM	8	19.6	37	19.0	14.4
20 CHEROKEE	5	24.1	23	22.6	13.1
21 CHOWAN	8	57.3	33	48.3	33.6
22 CLAY	5	69.6	9	25.0	9.1
23 CLEVELAND	20	23.3	110	25.9	20.4
24 COLUMBUS	11	21.9	49	19.6	16.5
25 CRAVEN	11	13.1	71	17.3	17.3
26 CUMBERLAND	35	12.3	191	13.9	21.6
27 CURRITUCK	1	6.9	13	18.8	18.6
28 DARE	4	17.2	24	21.4	21.8
29 DAVIDSON	22	16.6	120	18.8	16.8
30 DAVIE	11	38.1	41	29.2	22.3
31 DUPLIN	12	29.2	53	26.3	20.3
32 DURHAM	35	18.6	174	19.1	17.9
33 EDGECOMBE	8	14.1	57	19.9	17.9
34 FORSYTH	44	16.3	272	20.4	17.4
35 FRANKLIN	7	18.0	44	23.8	18.2
36 GASTON	38	21.5	173	19.7	18.4
37 GATES	1	10.5	10	21.3	16.8
38 GRAHAM	2	28.1	8	22.2	13.4
39 GRANVILLE	6	15.1	39	20.1	16.0
40 GREENE	3	18.8	16	20.6	17.4
41 GUILFORD	68	19.2	385	22.2	19.2

* SEE SECTION II

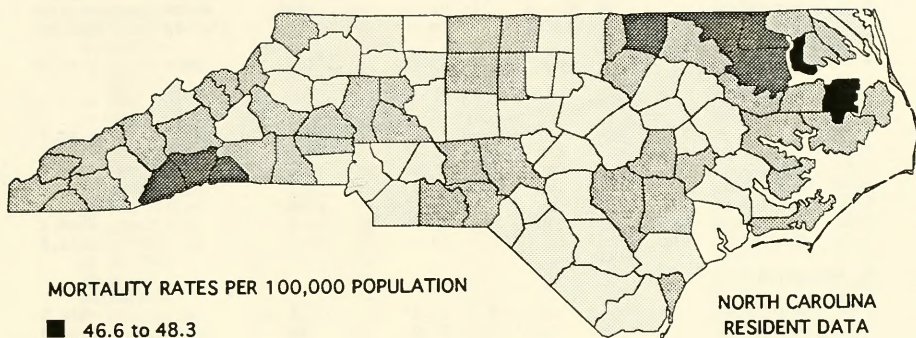
MORTALITY STATISTICS FOR 1992, NORTH CAROLINA RESIDENTS
CANCER - COLON, RECTUM AND ANUS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
42 HALIFAX	14	24.7	76	27.2	19.3
43 HARNETT	15	21.2	64	18.7	16.5
44 HAYWOOD	15	31.0	65	27.4	13.3
45 HENDERSON	25	34.6	121	34.7	20.6
46 HERTFORD	12	53.9	39	34.6	21.4
47 HOKE	5	21.2	22	19.2	23.4
48 HYOE	3	55.8	6	22.0	14.6
49 IREDELL	26	26.8	114	24.3	19.1
50 JACKSON	5	18.2	23	17.0	13.5
51 JOHNSTON	15	17.3	74	18.0	15.9
52 JONES	1	10.6	9	19.2	17.3
53 LEE	9	20.9	31	14.9	13.1
54 LENOIR	10	17.1	73	25.3	20.5
55 LINCOLN	11	21.2	54	21.5	19.0
56 MCCOY	7	19.4	35	19.6	14.0
57 MACON	7	28.4	34	28.7	18.0
58 MADISON	3	17.4	14	16.5	8.0
59 MARTIN	7	27.2	38	29.9	22.3
60 MECKLENBURG	92	17.2	374	14.6	15.6
61 MITCHELL	3	20.7	22	30.6	13.7
62 MONTGOMERY	6	25.5	29	24.8	20.1
63 MOORE	14	22.8	91	30.7	17.9
64 NASH	13	16.4	65	17.0	14.7
65 NEW HANOVER	28	21.9	143	23.6	20.3
66 NORTHAMPTON	11	53.1	37	35.4	21.0
67 ONGLOW	12	8.3	72	9.7	21.1
68 ORANGE	13	13.0	63	13.3	15.4
69 PAMLICO	2	17.5	16	28.2	17.0
70 PASQUOTANK	7	21.9	42	26.9	21.4
71 PENDER	8	25.8	29	20.0	14.6
72 PERQUIMANS	1	9.6	16	30.7	18.3
73 PERSON	1	3.3	25	16.5	12.8
74 PITT	22	19.4	101	18.6	19.8
75 POLK	4	26.5	25	34.4	16.2
76 RANDOLPH	34	31.1	111	20.8	18.7
77 RICHMOND	17	37.6	60	26.8	21.3
78 ROBESON	18	16.8	84	15.9	16.4
79 ROCKINGHAM	18	20.9	97	22.6	18.0
80 ROWAN	28	24.8	134	24.2	17.0
81 RUTHERFORD	11	19.0	86	30.2	24.7
82 SAMPSON	8	16.6	59	24.7	18.5
83 SCOTLAND	6	17.5	30	17.7	15.9
84 STANLY	9	17.0	46	17.7	14.0
85 STOKES	4	10.5	21	11.3	8.6
86 SURRY	14	22.3	57	18.4	12.1
87 SWAIN	1	8.9	16	28.7	17.8
88 TRANSYLVANIA	10	38.0	45	34.9	23.9
89 TYRRELL	2	51.5	9	46.6	27.3
90 UNION	16	18.1	66	15.6	16.4
91 VANCE	5	12.8	52	26.8	18.3
92 WAKE	68	14.8	298	13.9	17.0
93 WARREN	10	57.3	29	33.6	15.8
94 WASHINGTON	7	50.0	22	31.3	21.1
95 WATAUGA	4	10.6	29	15.7	18.2
96 WAYNE	31	28.9	121	23.1	21.8
97 WILKES	14	23.2	53	17.7	11.9
98 WILSON	7	10.5	65	19.6	16.9
99 YADKIN	16	50.6	27	17.6	11.9
100 YANCEY	5	31.6	18	23.2	11.7

* SEE SECTION II

STATE CENTER FOR HEALTH AND ENVIRONMENTAL STATISTICS
DEPARTMENT OF ENVIRONMENT, HEALTH AND NATURAL RESOURCES

CANCER - COLON, RECTUM AND ANUS



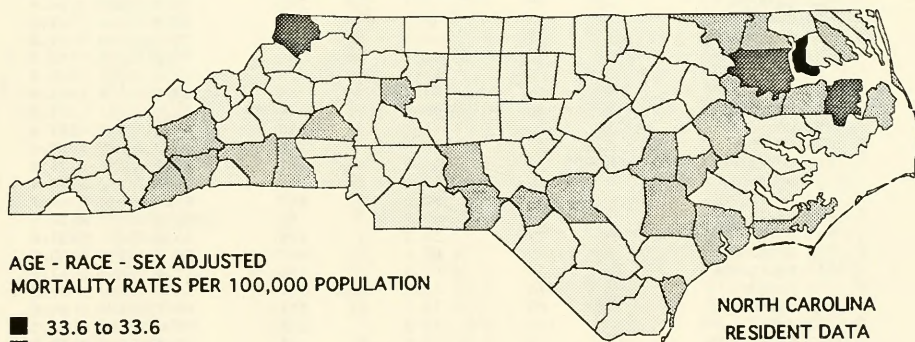
MORTALITY RATES PER 100,000 POPULATION

- 46.6 to 48.3
- 33.6 to 37.2
- 21.3 to 31.3
- 13.3 to 20.8
- 9.7 to 11.3

NORTH CAROLINA
RESIDENT DATA
1988-92

FIGURE 6.A

CANCER - COLON, RECTUM AND ANUS



AGE - RACE - SEX ADJUSTED
MORTALITY RATES PER 100,000 POPULATION

- 33.6 to 33.6
- 27.3 to 29.7
- 19.8 to 24.7
- 11.7 to 19.3
- 8.0 to 9.1

NORTH CAROLINA
RESIDENT DATA
1988-92

FIGURE 6.B

TABLE - 8
MORTALITY STATISTICS FOR 1992
NORTH CAROLINA RESIDENTS
CANCER - TRACHEA, BRONCHUS AND LUNG

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
NORTH CAROLINA	4079	59.7	19378	58.2	53.4
REGIONS					
D.E.H.N.R. I	577	77.4	2543	69.6	50.7
D.E.H.N.R. II	820	56.3	3911	55.5	53.3
D.E.H.N.R. III	840	61.1	4014	59.5	51.9
D.E.H.N.R. IV	706	51.8	3386	51.8	52.9
D.E.H.N.R. V	424	56.5	1984	54.1	56.3
D.E.H.N.R. VI	410	63.7	2026	64.3	58.3
D.E.H.N.R. VII	302	59.9	1514	61.4	61.2
COUNTIES					
1 ALAMANCE	74	67.3	362	66.9	52.3
2 ALEXANDER	16	57.0	58	41.8	34.0
3 ALLEGHANY	8	80.9	33	68.3	36.9
4 ANSON	20	85.0	85	72.0	60.4
5 ASHE	14	62.4	74	66.2	68.3
6 AVERY	9	60.0	53	71.1	44.3
7 BEAUFORT	40	93.4	164	77.4	61.7
8 BERTIE	20	97.5	70	68.6	57.7
9 BLADEN	20	69.8	91	63.0	54.7
10 BRUNSWICK	41	75.2	205	79.3	57.4
11 BUNCOMBE	145	80.5	653	74.5	56.2
12 BURKE	54	70.2	239	62.8	57.0
13 CABARRUS	51	49.1	282	56.7	48.5
14 CALDWELL	55	76.6	245	69.0	61.0
15 CAMDEN	3	50.4	23	78.4	59.7
16 CARTERET	56	101.5	234	88.5	70.5
17 CASHELL	15	71.6	70	67.0	51.7
18 CATAWBA	79	65.1	365	61.5	54.4
19 CHATHAM	16	39.3	103	52.9	41.0
20 CHEROKEE	31	149.6	77	75.5	47.8
21 CHOWAN	11	78.7	49	71.7	49.2
22 CLAY	8	111.4	26	72.3	35.3
23 CLEVELAND	44	51.2	235	55.4	46.0
24 COLUMBUS	38	75.8	204	81.6	71.2
25 CRAVEN	38	45.4	210	51.2	51.1
26 CUMBERLAND	116	40.9	574	41.7	65.2
27 CURRITUCK	8	54.9	61	88.2	76.8
28 DARE	18	77.4	90	80.1	70.9
29 DAVIDSON	69	52.2	337	52.7	46.7
30 DAVIE	14	48.5	68	48.5	38.6
31 DUPLIN	24	58.4	134	66.4	53.0
32 DURHAM	109	58.0	502	55.1	60.5
33 EDGECOMBE	37	65.3	194	67.6	67.3
34 FORSYTH	170	63.0	747	56.1	50.8
35 FRANKLIN	29	74.8	111	60.1	54.3
36 GASTON	115	65.0	583	66.4	62.3
37 GATES	2	20.9	31	66.1	45.3
38 GRAHAM	5	70.3	24	66.7	36.6
39 GRANVILLE	16	40.3	109	56.3	48.3
40 GREENE	8	50.0	43	55.3	49.2
41 GUILFORD	217	61.2	1075	61.9	57.3

* SEE SECTION 11

MORTALITY STATISTICS FOR 1992, NORTH CAROLINA RESIDENTS
CANCER - TRACHEA, BRONCHUS AND LUNG CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
42 HALIFAX	45	79.5	195	69.9	55.8
43 HARNETT	50	70.6	227	66.4	63.9
44 HAYWOOD	35	72.4	174	73.3	50.5
45 HENDERSON	72	99.6	291	83.4	47.3
46 HERTFORD	15	67.3	94	83.4	69.4
47 HOKE	14	59.3	68	59.3	66.4
48 HYDE	4	74.4	23	84.2	66.3
49 IREDELL	60	61.9	249	53.1	43.1
50 JACKSON	16	58.1	62	45.8	36.4
51 JOHNSTON	51	58.9	243	59.1	53.4
52 JONES	8	84.6	37	78.8	60.4
53 LEE	28	64.9	145	69.8	59.5
54 LENOIR	39	66.8	186	64.6	53.1
55 LINCOLN	35	67.3	148	58.9	54.0
56 MCDOWELL	22	61.1	132	73.9	56.4
57 MACON	13	52.7	82	69.3	41.0
58 MADISON	15	87.1	59	69.4	37.8
59 MARTIN	21	81.6	102	80.4	73.1
60 MECKLENBURG	251	46.8	1266	49.4	55.5
61 MITCHELL	13	89.7	46	63.9	31.6
62 MONTGOMERY	14	59.5	78	66.8	57.4
63 MOORE	59	96.1	221	74.6	45.7
64 NASH	52	65.5	204	53.4	48.9
65 NEW HANOVER	79	61.8	425	70.0	62.5
66 NORTHAMPTON	21	101.3	77	73.7	43.1
67 ONSLOW	44	30.6	224	30.3	63.8
68 ORANGE	47	47.2	191	40.4	50.2
69 PAHLICO	14	122.3	57	100.4	68.5
70 PASQUOTANK	24	75.0	110	70.4	61.0
71 PENDER	20	64.6	88	60.6	46.6
72 PERQUIMANS	8	76.7	42	80.7	55.9
73 PERSON	18	58.5	93	61.4	51.9
74 PLITT	53	46.8	282	52.0	58.8
75 POLK	13	86.2	57	78.5	47.0
76 RANDOLPH	58	53.1	302	56.7	49.9
77 RICHMOND	32	70.8	141	63.0	52.6
78 ROBESON	54	50.3	269	50.9	60.8
79 ROCKINGHAM	59	68.4	313	72.8	59.3
80 ROWAN	79	70.1	352	63.6	49.2
81 RUTHERFORD	42	72.7	154	54.1	42.8
82 SAMPSON	31	64.2	154	64.5	51.7
83 SCOTLAND	14	40.8	76	44.8	46.7
84 STANLY	52	98.1	171	65.8	54.9
85 STOKES	30	78.6	113	60.6	57.7
86 SURRY	45	71.7	210	67.8	53.1
87 SWAIN	11	97.8	40	71.8	58.2
88 TRANSYLVANIA	10	38.0	87	67.5	41.8
89 TYRRELL	2	51.5	14	72.4	58.2
90 UNION	38	43.1	202	47.7	51.2
91 VANCE	26	66.5	137	70.5	68.4
92 WAKE	161	35.0	803	37.4	48.5
93 WARREN	15	86.0	64	74.1	53.9
94 WASHINGTON	7	50.0	37	52.7	42.0
95 WATAUGA	15	39.7	75	40.6	43.1
96 WAYNE	67	62.5	301	57.4	59.6
97 WILKES	34	56.3	138	46.1	36.2
98 WILSON	35	52.3	215	65.0	58.7
99 YADKIN	18	56.9	97	63.1	48.1
100 YANCEY	8	50.6	42	54.0	28.8

* SEE SECTION 11

STATE CENTER FOR HEALTH AND ENVIRONMENTAL STATISTICS
DEPARTMENT OF ENVIRONMENT, HEALTH AND NATURAL RESOURCES

CANCER - TRACHEA, BRONCHUS AND LUNG

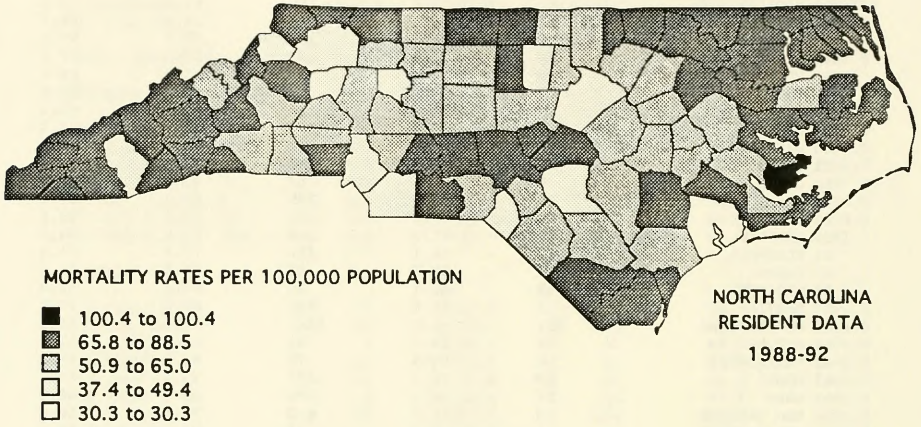


FIGURE 7.A

CANCER - TRACHEA, BRONCHUS AND LUNG

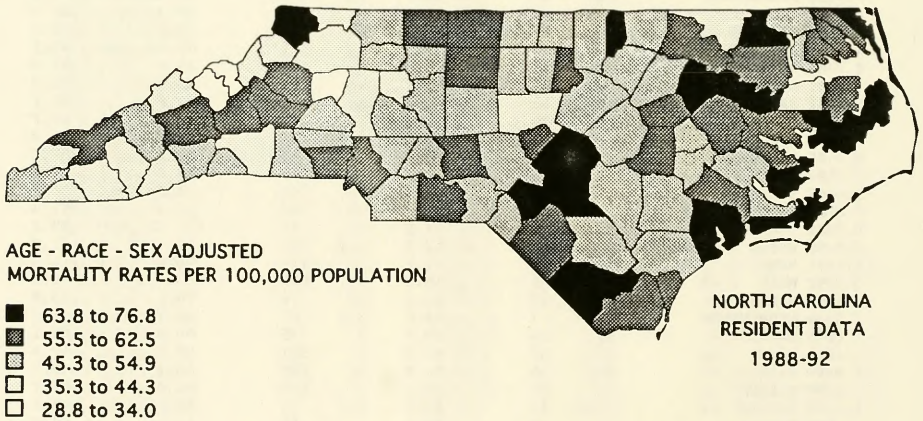


FIGURE 7.B

TABLE - 9
MORTALITY STATISTICS FOR 1992

NORTH CAROLINA RESIDENTS

CANCER - BREAST - FEMALE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
NORTH CAROLINA	1127	32.0	5515	32.2	29.2
REGIONS					
D.E.H.N.R. I	139	36.0	676	35.7	27.1
O.E.H.N.R. II	226	30.1	1186	32.5	30.5
O.E.H.N.R. III	237	33.1	1140	32.4	28.3
O.E.H.N.R. IV	241	34.0	1093	32.1	31.0
D.E.H.N.R. V	107	28.1	541	29.1	29.1
O.E.H.N.R. VI	113	33.9	544	33.3	29.2
D.E.H.N.R. VII	64	26.1	335	28.0	26.8
COUNTIES					
1 ALAMANCE	15	25.9	90	31.6	25.3
2 ALEXANDER	4	28.3	14	20.1	18.6
3 ALLEGHANY	0	0.0	8	32.0	17.0
4 ANSON	7	56.0	19	30.3	25.0
5 ASHE	2	17.3	14	24.3	14.5
6 AVERY	0	0.0	7	18.8	12.5
7 BEAUFORT	7	31.0	41	36.6	28.9
8 BERTIE	4	36.1	18	32.8	21.2
9 BLOOMING	7	46.0	31	40.6	33.1
10 BRUNSWICK	8	28.7	38	28.8	23.9
11 BUNCOMBE	40	42.3	183	39.8	28.3
12 BURKE	6	15.3	54	27.8	28.5
13 CABARRUS	17	31.7	92	35.8	30.6
14 CALDWELL	9	24.6	48	26.5	24.4
15 CAMDEN	1	33.9	5	34.2	26.9
16 CARTERET	9	32.2	48	35.9	26.6
17 CASHIEL	4	37.3	19	35.5	31.3
18 CATAWBA	26	41.7	107	35.0	32.1
19 CHATHAM	14	66.7	43	42.9	35.0
20 CHEROKEE	3	27.9	18	34.0	24.3
21 CHOWAN	2	26.7	14	38.3	31.6
22 CLAY	2	53.9	8	43.2	23.5
23 CLEVELAND	4	8.9	49	22.2	18.2
24 COLUMBUS	4	15.1	32	24.2	19.5
25 CRAVEN	14	33.2	57	27.7	28.4
26 CUMBERLAND	19	13.9	139	20.9	26.9
27 CURRITUCK	2	27.7	16	46.7	39.2
28 DARE	4	34.2	14	24.8	17.8
29 DAVISON	15	22.3	97	29.8	26.8
30 DAVIE	4	27.2	24	33.6	28.9
31 DUPLIN	9	42.2	38	36.2	30.2
32 DURHAM	27	27.2	160	33.2	30.7
33 EDGEcombe	16	51.9	64	41.1	34.9
34 FORSYTH	56	39.3	236	33.5	29.6
35 FRANKLIN	9	44.6	33	34.4	29.2
36 GASTON	34	37.0	137	30.0	26.4
37 GATES	1	20.7	10	42.1	35.3
38 GRAHAM	0	0.0	2	11.1	7.3
39 GRANVILLE	6	29.9	38	38.8	29.1
40 GREENE	2	25.1	12	30.8	23.5
41 GUILFORD	57	30.5	293	32.0	28.8

* SEE SECTION II

MORTALITY STATISTICS FOR 1992, NORTH CAROLINA RESIDENTS
CANCER - BREAST - FEMALE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
42 HALIFAX	16	53.7	62	42.3	34.1
43 HARNETT	14	38.4	56	31.8	29.7
44 HAYWOOD	10	39.5	58	46.7	31.7
45 HENDERSON	27	71.4	95	52.1	31.6
46 HERTFORD	7	58.3	22	36.4	21.1
47 HOKE	2	17.0	16	27.9	39.3
48 HYOE	3	108.9	7	50.1	38.1
49 IREDELL	12	24.0	82	33.8	28.6
50 JACKSON	5	35.0	22	31.4	25.2
51 JOHNSTON	15	33.6	65	30.6	28.0
52 JONES	0	0.0	3	12.0	5.5
53 LEE	6	26.9	34	31.6	26.8
54 LENOIR	17	54.5	57	37.1	30.9
55 LINCOLN	11	41.7	43	35.7	33.7
56 MCDOWELL	4	21.7	19	20.7	20.4
57 MACON	6	46.7	33	53.5	63.3
58 MAISON	3	34.3	15	34.7	23.7
59 MARTIN	4	29.3	26	38.7	32.7
60 MECKLENBURG	76	27.3	440	33.1	35.3
61 MITCHELL	2	26.5	10	26.7	17.4
62 MONTGOMERY	4	34.5	21	36.3	30.3
63 MOORE	12	37.3	70	45.2	30.3
64 NASH	19	45.6	81	40.4	36.2
65 NEW HANOVER	18	26.7	102	32.0	29.1
66 NORTHAMPTON	8	74.6	26	48.2	31.1
67 ONSLOW	11	18.9	53	17.8	28.8
68 ORANGE	14	26.7	55	22.1	25.7
69 PAHLICO	2	33.5	10	33.8	25.9
70 PASQUOTANK	7	41.2	24	29.0	23.9
71 PENDER	5	31.4	24	32.1	27.7
72 PERQUIMANS	2	36.9	10	36.9	28.5
73 PERSON	3	18.7	38	48.1	38.6
74 PITT	10	16.9	80	28.1	30.9
75 POLK	3	37.2	14	36.2	22.1
76 RANDOLPH	21	37.6	95	34.9	30.9
77 RICHMOND	13	55.1	48	41.1	32.9
78 ROBESON	18	31.8	79	28.4	31.4
79 ROCKINGHAM	22	48.7	91	40.4	34.1
80 ROWAN	14	24.2	109	38.3	32.0
81 RUTHERFORD	10	33.4	38	25.7	19.9
82 SAMPSON	7	27.6	39	31.1	25.1
83 SCOTLAND	4	21.8	23	25.4	26.7
84 STANLY	11	40.1	47	34.9	29.4
85 STOKES	4	20.6	23	24.2	18.9
86 SURRY	12	36.6	59	36.6	26.9
87 SWAIN	2	35.7	7	25.1	20.8
88 TRANSYLVANIA	6	44.4	31	47.0	34.4
89 TYRRELL	1	49.2	6	59.2	45.3
90 UNION	17	37.8	66	30.6	32.3
91 VANCE	8	38.7	28	27.3	24.1
92 WAKE	60	25.6	288	26.3	30.4
93 WARREN	4	44.1	20	44.5	32.0
94 WASHINGTON	3	40.7	14	38.0	29.5
95 WATAUGA	7	36.2	23	24.3	21.6
96 WAYNE	20	37.3	98	37.2	32.1
97 WILKES	9	29.2	34	22.2	21.4
98 WILSON	16	44.8	58	32.9	29.2
99 YADKIN	9	55.3	34	43.0	28.4
100 YANCEY	1	12.3	14	34.9	19.6

* SEE SECTION II

STATE CENTER FOR HEALTH AND ENVIRONMENTAL STATISTICS
DEPARTMENT OF ENVIRONMENT, HEALTH AND NATURAL RESOURCES

CANCER - FEMALE BREAST

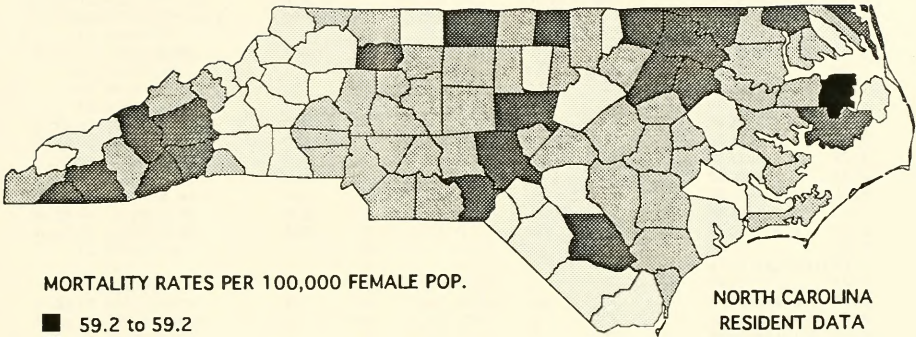


FIGURE 8.A

CANCER - FEMALE BREAST

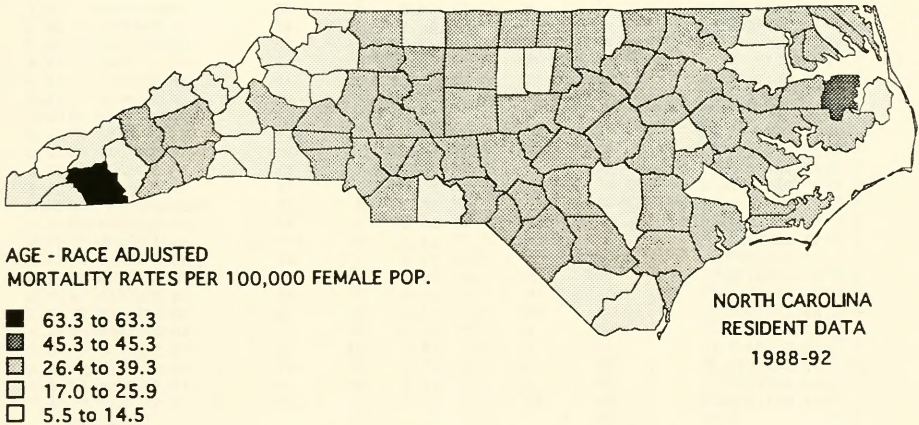


FIGURE 8.B

TABLE - 10
MORTALITY STATISTICS FOR 1992
NORTH CAROLINA RESIDENTS
CANCER - PROSTATE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
NORTH CAROLINA	978	29.5	4641	28.8	25.2
REGIONS					
D.E.H.N.R. I	141	39.2	609	34.6	23.2
D.E.H.N.R. II	179	25.4	877	25.8	25.4
D.E.H.N.R. III	207	31.4	913	28.2	24.7
D.E.H.N.R. IV	193	29.5	953	30.4	27.3
D.E.H.N.R. V	79	21.4	445	24.6	23.0
D.E.H.N.R. VI	109	35.1	524	34.5	26.0
D.E.H.N.R. VII	70	27.1	320	25.2	26.4
COUNTIES					
1 ALAMANCE	20	38.3	97	37.8	28.2
2 ALEXANDER	4	28.6	18	26.1	30.3
3 ALLEGHANY	1	21.0	4	17.2	7.5
4 ANSON	3	27.2	14	25.3	16.3
5 ASHE	4	36.8	25	46.1	19.7
6 AVERY	0	0.0	4	10.7	5.6
7 BEAUFORT	10	49.4	44	44.0	28.6
8 BERTIE	7	74.2	29	61.6	35.8
9 BLADEN	7	52.1	27	39.7	21.1
10 BRUNSWICK	10	37.5	44	34.8	25.5
11 BUNCOMBE	44	51.4	172	41.3	28.1
12 BURKE	13	34.5	48	25.8	18.6
13 CABARRUS	10	19.9	55	22.9	20.2
14 CALDWELL	11	31.2	49	28.1	25.5
15 CAMDEN	1	33.3	3	20.4	13.8
16 CARTERET	6	22.0	40	30.6	26.5
17 CASHWELL	2	19.6	15	29.4	21.0
18 CATAWBA	14	23.7	63	21.9	19.9
19 CHATHAM	8	40.5	42	44.4	30.7
20 CHEROKEE	4	40.1	18	36.7	24.1
21 CHOWAN	0	0.0	22	69.3	35.0
22 CLAY	1	28.8	7	40.1	13.8
23 CLEVELAND	12	29.1	71	34.9	28.6
24 COLUMBUS	7	29.7	42	35.7	25.4
25 CRAVEN	7	16.9	49	24.0	23.6
26 CUMBERLAND	20	13.7	106	14.9	26.0
27 CURRITUCK	3	40.8	9	25.8	22.0
28 DARE	1	8.6	11	19.7	13.6
29 DAVIDSON	22	33.9	65	20.7	21.1
30 DAVIE	5	35.3	29	42.1	38.8
31 DUPLIN	7	35.4	35	36.1	23.4
32 DURHAM	26	29.3	143	33.3	30.4
33 EDGEcombe	5	19.4	57	43.5	32.5
34 FORSYTH	25	19.7	159	25.3	21.8
35 FRANKLIN	4	21.5	23	26.0	17.5
36 GASTON	15	17.6	78	18.5	19.3
37 GATES	2	42.4	7	30.2	16.7
38 GRAHAM	1	28.3	11	61.5	28.2
39 GRANVILLE	6	30.5	37	38.6	24.6
40 GREENE	1	12.5	5	12.9	8.3
41 GUILFORD	57	34.0	229	27.9	24.9

* SEE SECTION II

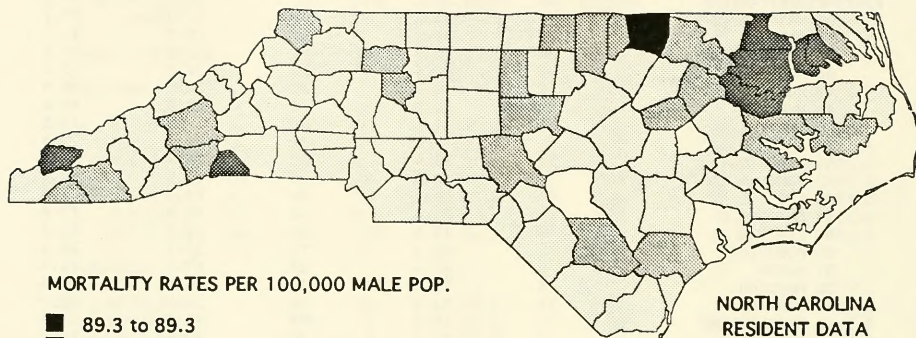
MORTALITY STATISTICS FOR 1992, NORTH CAROLINA RESIDENTS
CANCER - PROSTATE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
42 HALIFAX	14	52.2	61	46.1	27.6
43 HARNETT	9	26.2	53	32.0	29.1
44 HAYWOOD	8	34.8	23	20.3	16.2
45 HENDERSON	20	58.0	76	45.6	23.3
46 HERTFORD	6	58.3	32	61.2	40.1
47 Hoke	1	8.5	18	31.4	34.9
48 HYOE	1	38.1	6	45.0	18.8
49 IREDELL	9	19.2	56	24.7	20.5
50 JACKSON	1	7.6	22	33.8	21.8
51 JOHNSTON	14	33.4	59	29.7	25.5
52 JONES	1	22.6	5	22.7	14.6
53 LEE	10	48.1	30	30.0	24.6
54 LENOIR	14	51.5	47	35.0	23.0
55 LINCOLN	5	19.5	28	22.7	21.1
56 MCDOONELL	5	28.5	27	31.0	21.1
57 MACON	5	42.4	27	47.6	23.4
58 MADISON	3	35.4	11	26.3	11.4
59 MARTIN	10	82.6	32	53.7	30.9
60 MECKLENBURG	66	25.6	308	25.0	28.4
61 MITCHELL	5	72.1	10	29.0	12.7
62 MONTGOMERY	0	0.0	12	20.4	18.2
63 MOORE	9	30.8	62	43.8	23.5
64 NASH	11	29.2	49	27.0	22.7
65 NEW HANOVER	24	39.6	91	31.6	27.4
66 NORTHAMPTON	3	30.0	18	35.6	16.9
67 ONSLOW	8	9.3	37	8.4	25.1
68 ORANGE	10	21.2	52	23.2	25.8
69 PAMLICO	2	36.5	10	36.8	19.1
70 PASQUOTANK	4	26.7	33	45.0	29.1
71 PENDER	8	53.3	31	44.0	28.9
72 PERQUIMANS	6	119.7	15	60.0	28.6
73 PERSON	7	47.5	29	40.0	28.1
74 PITT	13	24.1	70	27.2	25.9
75 POLK	7	99.6	18	53.0	31.3
76 RANDOLPH	18	33.7	66	25.4	27.1
77 RICHMOND	5	23.2	26	24.3	15.7
78 ROBESON	12	23.7	66	26.4	18.7
79 ROCKINGHAM	19	46.4	73	35.7	26.9
80 ROWAN	19	34.7	92	34.2	24.9
81 RUTHERFORD	6	21.6	47	34.3	26.0
82 SAMPSON	7	30.5	37	32.6	21.1
83 SCOTLAND	6	37.7	24	30.3	29.0
84 STANLY	13	50.8	42	33.5	27.1
85 STOKES	7	37.3	23	25.1	20.7
86 SURRY	9	30.0	45	30.4	25.2
87 SHAIN	1	17.7	8	28.8	21.2
88 TRANSYLVANIA	5	38.9	20	31.8	25.2
89 TYRRELL	0	0.0	2	21.8	9.3
90 UNION	12	27.7	66	31.8	36.4
91 VANCE	6	32.6	42	45.9	27.9
92 WAKE	45	20.0	215	20.5	28.2
93 WARREN	14	167.2	37	89.3	41.9
94 WASHINGTON	3	45.3	12	36.0	25.4
95 WATAUGA	10	54.3	20	22.2	34.9
96 WAYNE	17	31.8	81	31.0	29.4
97 WILKES	6	20.3	34	23.2	23.4
98 WILSON	10	32.1	59	38.2	30.5
99 YADKIN	2	13.0	29	38.8	32.9
100 YANCEY	1	13.1	11	29.2	13.1

* SEE SECTION II

STATE CENTER FOR HEALTH AND ENVIRONMENTAL STATISTICS
DEPARTMENT OF ENVIRONMENT, HEALTH AND NATURAL RESOURCES

CANCER - PROSTATE



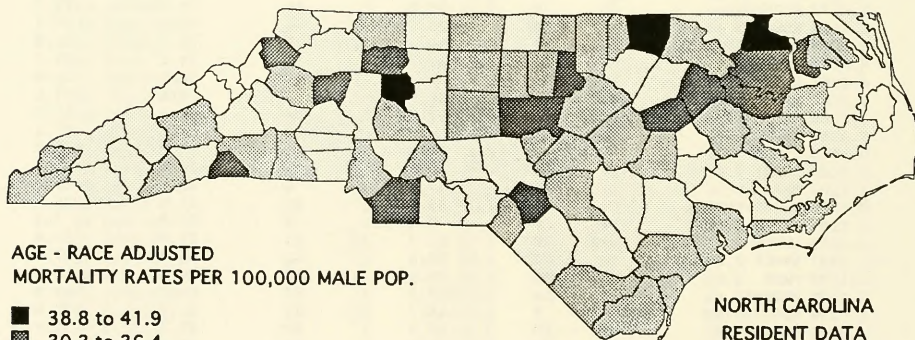
MORTALITY RATES PER 100,000 MALE POP.

- 89.3 to 89.3
- 53.0 to 69.3
- 37.8 to 47.6
- 17.2 to 36.8
- 8.4 to 14.9

NORTH CAROLINA
RESIDENT DATA
1988-92

FIGURE 9.A

CANCER - PROSTATE



AGE - RACE ADJUSTED
MORTALITY RATES PER 100,000 MALE POP.

- 38.8 to 41.9
- 30.3 to 36.4
- 24.1 to 29.4
- 15.7 to 23.6
- 5.6 to 14.6

NORTH CAROLINA
RESIDENT DATA
1988-92

FIGURE 9.B

TABLE - 11
MORTALITY STATISTICS FOR 1992
NORTH CAROLINA RESIDENTS

A I O S					
GEOGRAPHICAL AREA	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
NORTH CAROLINA	681	10.0	2134	6.4	5.6
REGIONS					
D.E.H.N.R. I	38	5.1	110	3.0	3.7
D.E.H.N.R. II	192	13.2	537	7.6	7.2
D.E.H.N.R. III	107	7.8	376	5.6	5.6
D.E.H.N.R. IV	167	12.2	545	8.3	6.2
D.E.H.N.R. V	69	9.2	228	6.2	4.7
D.E.H.N.R. VI	62	9.6	191	6.1	4.5
D.E.H.N.R. VII	46	9.1	147	6.0	5.5
COUNTIES					
1 ALAMANCE	7	6.4	18	3.3	3.1
2 ALEXANDER	1	3.6	2	1.4	1.0
3 ALLEGHANY	0	0.0	0	0.0	0.0
4 ANSON	0	0.0	7	5.9	3.8
5 ASHE	0	0.0	0	0.0	0.0
6 AVERY	1	6.7	1	1.3	0.9
7 BEAUFORT	3	7.0	11	5.2	4.0
8 BERTIE	2	9.8	4	3.9	4.8
9 BLADEN	3	10.5	11	7.6	4.9
10 BRUNSWICK	6	11.0	14	5.4	5.2
11 BUNCOMBE	8	4.4	32	3.7	4.0
12 BURKE	5	6.5	8	2.1	2.0
13 CABARRUS	10	9.6	27	5.4	5.8
14 CALDWELL	3	4.2	7	2.0	3.4
15 CAMDEN	1	16.8	1	3.4	3.7
16 CARTERET	3	5.4	11	4.2	4.2
17 CASHWELL	1	4.8	6	5.7	3.7
18 CATAHBA	7	5.8	16	2.7	2.6
19 CHATHAM	0	0.0	5	2.6	2.2
20 CHEROKEE	2	9.6	4	3.9	5.9
21 CHOWAN	2	14.3	5	7.3	7.1
22 CLAY	0	0.0	0	0.0	0.0
23 CLEVELAND	6	7.0	22	5.2	4.9
24 COLUMBUS	5	10.0	18	7.2	5.3
25 CRAVEN	10	11.9	21	5.1	4.4
26 CUMBERLAND	26	9.2	103	7.5	5.5
27 CURRITUCK	2	13.7	5	7.2	8.6
28 DARE	0	0.0	2	1.8	4.0
29 DAVISON	5	3.8	19	3.0	3.9
30 DAVIE	0	0.0	3	2.1	3.7
31 DOULIN	6	14.6	16	7.9	5.4
32 DURHAM	39	20.8	132	14.5	9.6
33 EDGEcombe	6	10.6	17	5.9	2.9
34 FORSYTH	27	10.0	105	7.9	6.6
35 FRANKLIN	5	12.9	13	7.0	5.2
36 GASTON	22	12.4	46	5.2	6.2
37 GATES	1	10.5	2	4.3	5.4
38 GRAHAM	0	0.0	0	0.0	0.0
39 GRANVILLE	4	10.1	15	7.7	6.1
40 GREENE	0	0.0	1	1.3	0.6
41 GUILFORD	57	16.1	184	10.6	8.3

* SEE SECTION II

MORTALITY STATISTICS FOR 1992, NORTH CAROLINA RESIDENTS
AIDS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
42 HALIFAX	4	7.1	17	6.1	4.8
43 HARNETT	10	14.1	19	5.6	5.2
44 HAYWOOD	4	8.3	11	4.6	3.9
45 HENDERSON	4	5.5	13	3.7	4.2
46 HERTFORD	1	4.5	9	8.0	5.0
47 HOKE	2	8.5	8	7.0	3.1
48 HYDE	0	0.0	0	0.0	0.0
49 IREDELL	5	5.2	13	2.8	3.0
50 JACKSON	1	3.6	4	3.0	3.5
51 JOHNSTON	9	10.4	27	6.6	6.9
52 JONES	1	10.6	3	6.4	5.4
53 LEE	2	4.6	4	1.9	1.8
54 LENOIR	8	13.7	12	4.2	2.7
55 LINCOLN	2	3.8	5	2.0	1.5
56 MCDOWELL	0	0.0	3	1.7	1.3
57 MACON	0	0.0	1	0.8	0.6
58 MADISON	0	0.0	2	2.4	1.9
59 MARTIN	1	3.9	6	4.7	3.2
60 MECKLENBURG	125	23.3	353	13.8	10.7
61 MITCHELL	0	0.0	1	1.4	0.9
62 MONTGOMERY	3	12.8	5	4.3	3.0
63 MOORE	2	3.3	9	3.0	3.3
64 NASH	9	11.3	24	6.3	4.6
65 NEW HANOVER	19	14.9	56	9.2	8.9
66 NORTHAMPTON	1	4.8	5	4.8	3.2
67 ONSLOW	5	3.5	24	3.2	3.7
68 ORANGE	7	7.0	17	3.6	3.4
69 PAMLICO	1	8.7	5	8.8	8.7
70 PASQUOTANK	1	3.1	9	5.8	4.7
71 PENDER	2	6.5	8	5.5	5.1
72 PERQUIMANS	0	0.0	0	0.0	0.0
73 PERSON	0	0.0	6	4.0	3.1
74 PITT	13	11.5	40	7.4	5.1
75 POLK	1	6.6	3	4.1	3.7
76 RANDOLPH	3	2.7	17	3.2	4.4
77 RICHMOND	0	0.0	8	3.6	2.9
78 ROBESON	13	12.1	27	5.1	4.2
79 ROCKINGHAM	4	4.6	12	2.8	2.7
80 ROHAN	5	4.4	26	4.7	5.0
81 RUTHERFORD	5	8.7	12	4.2	4.9
82 SAMPSON	6	12.4	17	7.1	6.4
83 SCOTLAND	4	11.7	14	8.3	6.6
84 STANLY	5	9.4	9	3.5	3.8
85 STOKES	1	2.6	2	1.1	0.7
86 SURRY	1	1.6	5	1.6	4.6
87 SWAIN	1	8.9	3	5.4	4.8
88 TRANSYLVANIA	3	11.4	5	3.9	5.7
89 TYRRELL	0	0.0	1	5.2	2.9
90 UNION	4	4.5	18	4.3	5.1
91 VANCE	5	12.8	18	9.3	7.2
92 WAKE	64	13.9	207	9.7	7.7
93 WARREN	3	17.2	6	6.9	2.0
94 WASHINGTON	2	14.3	7	10.0	5.0
95 WATAUGA	1	2.6	1	0.5	0.5
96 WAYNE	13	12.1	47	9.0	6.4
97 WILKES	0	0.0	2	0.7	0.5
98 WILSON	9	13.5	32	9.7	7.1
99 YADKIN	0	0.0	2	1.3	0.9
100 YANCEY	0	0.0	0	0.0	0.0

* SEE SECTION II

STATE CENTER FOR HEALTH AND ENVIRONMENTAL STATISTICS
DEPARTMENT OF ENVIRONMENT, HEALTH AND NATURAL RESOURCES

ACQUIRED IMMUNE DEFICIENCY SYNDROME

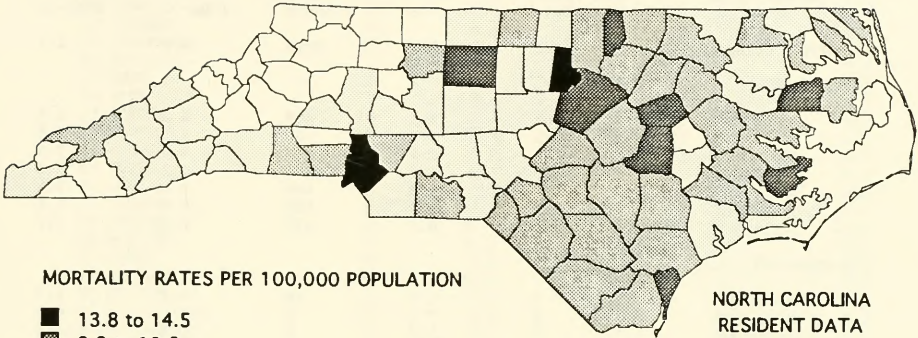


FIGURE 10.A

ACQUIRED IMMUNE DEFICIENCY SYNDROME

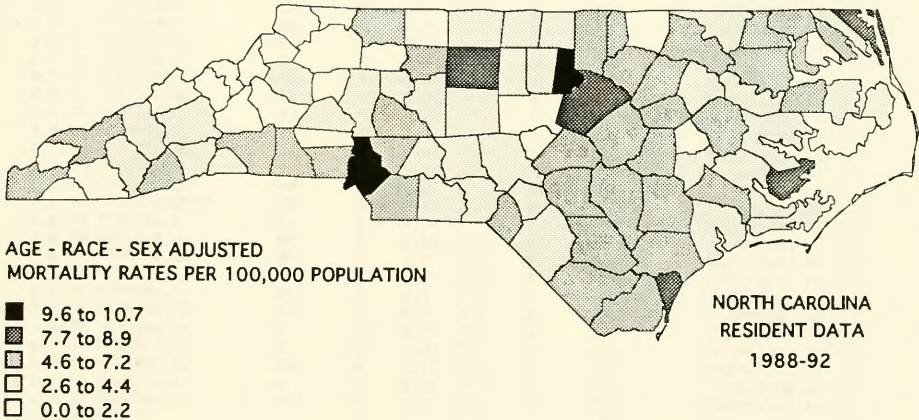


FIGURE 10.B

TABLE - 12
MORTALITY STATISTICS FOR 1992
NORTH CAROLINA RESIDENTS
SEPTICEMIA

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
NORTH CAROLINA	562	8.2	2738	8.2	6.9
REGIONS					
D.E.H.N.R. I	68	9.1	309	8.5	5.4
D.E.H.N.R. II	103	7.1	486	6.9	6.3
D.E.H.N.R. III	116	8.4	610	9.0	7.5
D.E.H.N.R. IV	125	9.2	539	8.2	7.2
D.E.H.N.R. V	54	7.2	295	8.0	7.4
D.E.H.N.R. VI	71	11.0	329	10.4	8.2
D.E.H.N.R. VII	25	5.0	170	6.9	6.7
COUNTIES					
1 ALAMANCE	9	8.2	50	9.2	6.7
2 ALEXANDER	2	7.1	8	5.8	4.6
3 ALLEGHANY	2	20.2	5	10.3	21.3
4 ANSON	3	12.7	11	9.3	5.0
5 ASHE	1	4.5	9	8.1	3.7
6 AVERY	1	6.7	3	4.0	2.6
7 BEAUFORT	11	25.7	38	17.9	11.5
8 BERTIE	1	4.9	14	13.7	8.3
9 BLOOM	2	7.0	19	13.2	9.6
10 BRUNSWICK	3	5.5	15	5.8	4.9
11 BUNCOMBE	17	9.4	75	8.6	6.0
12 BURKE	7	9.1	19	5.0	3.7
13 CABARRUS	8	7.7	45	9.0	7.2
14 CALDWELL	3	4.2	25	7.0	7.0
15 CAMDEN	0	0.0	1	3.4	2.7
16 CARTERET	4	7.3	24	9.1	6.5
17 CASHELL	2	9.5	7	6.7	5.0
18 CATAWBA	6	4.9	37	6.2	5.6
19 CHATHAM	3	7.4	17	8.7	5.8
20 CHEROKEE	1	4.8	10	9.8	3.9
21 CHOHAN	2	14.3	7	10.2	6.8
22 CLAY	0	0.0	2	5.6	2.5
23 CLEVELAND	12	14.0	41	9.7	7.8
24 COLUMBUS	5	10.0	36	14.4	10.5
25 CRAVEN	7	8.4	22	5.4	5.2
26 CUMBERLAND	11	3.9	84	6.1	9.6
27 CURRITUCK	2	13.7	10	14.5	11.6
28 DARE	3	12.9	7	6.2	5.1
29 DAVIDSON	11	8.3	44	6.9	5.9
30 DAVIE	4	13.9	12	8.6	8.4
31 DUPLIN	2	4.9	17	8.4	5.6
32 DURHAM	29	15.4	98	10.8	8.8
33 EDGECOMBE	4	7.1	34	11.9	8.2
34 FORSYTH	23	8.5	156	11.7	9.5
35 FRANKLIN	2	5.2	13	7.0	4.2
36 GASTON	8	4.5	66	7.5	6.8
37 GATES	1	10.5	6	12.8	12.0
38 GRAHAM	1	14.1	4	11.1	5.8
39 GRANVILLE	7	17.6	23	11.9	9.0
40 GREENE	2	12.5	5	6.4	6.7
41 GUILFORD	23	6.5	109	6.3	5.2

* SEE SECTION II

MORTALITY STATISTICS FOR 1992, NORTH CAROLINA RESIDENTS
SEPTICEMIA CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
42 HALIFAX	5	8.8	36	12.9	8.3
43 HARNETT	6	8.5	29	8.5	7.6
44 HAYWOOD	3	6.2	23	9.7	9.8
45 HENDERSON	13	18.0	29	8.3	4.8
46 HERTFORD	3	13.5	17	15.1	9.1
47 HOKE	2	8.5	8	7.0	6.3
48 HYDE	1	18.6	3	11.0	5.7
49 IREDELL	12	12.4	48	10.2	8.0
50 JACKSON	4	14.5	19	14.1	8.9
51 JOHNSTON	9	10.4	29	7.1	6.0
52 JONES	1	10.6	4	8.5	4.9
53 LEE	4	9.3	12	5.8	4.5
54 LENOIR	8	13.7	32	11.1	8.9
55 LINCOLN	9	17.3	19	7.6	11.2
56 MCDOWELL	4	11.1	12	6.7	4.2
57 MACON	2	8.1	20	16.9	5.9
58 MADISON	2	11.6	17	20.0	8.5
59 MARTIN	4	15.5	16	12.6	7.6
60 MECKLENBURG	33	6.2	150	5.9	5.9
61 MITCHELL	0	0.0	7	9.7	4.1
62 MONTGOMERY	2	8.5	16	13.7	11.3
63 MOORE	4	6.5	15	5.1	3.4
64 NASH	4	5.0	28	7.3	5.7
65 NEW HANOVER	6	4.7	40	6.6	5.8
66 NORTHAMPTON	4	19.3	14	13.4	8.1
67 ONSLOW	4	2.8	31	4.2	9.2
68 ORANGE	9	9.0	32	6.8	7.7
69 PAMLICO	0	0.0	7	12.3	7.1
70 PASQUOTANK	2	6.3	19	12.2	10.2
71 PENDER	1	3.2	7	4.8	3.7
72 PERQUIMANS	1	9.6	3	5.8	2.8
73 PERSON	5	16.3	16	10.6	7.8
74 PITT	10	8.8	55	10.1	8.9
75 POLK	0	0.0	3	4.1	1.3
76 RANDOLPH	9	8.2	40	7.5	6.8
77 RICHMOND	4	8.8	20	8.9	7.3
78 ROBESON	13	12.1	41	7.8	5.9
79 ROCKINGHAM	5	5.8	38	8.8	6.4
80 ROWAN	6	5.3	36	6.5	4.2
81 RUTHERFORD	4	6.9	21	7.4	4.3
82 SAMPSON	4	8.3	32	13.4	9.5
83 SCOTLAND	3	8.7	20	11.8	10.5
84 STANLY	3	5.7	16	6.2	4.4
85 STOKES	4	10.5	19	10.2	10.5
86 SURRY	5	8.0	28	9.0	6.8
87 SWAIN	3	26.7	9	16.2	11.3
88 TRANSYLVANIA	0	0.0	5	3.9	1.8
89 TYRRELL	0	0.0	2	10.3	6.7
90 UNION	4	4.5	20	4.7	5.0
91 VANCE	3	7.7	18	9.3	7.8
92 WAKE	28	6.1	128	6.0	7.2
93 WARREN	4	22.9	15	17.4	9.5
94 WASHINGTON	1	7.1	8	11.4	7.1
95 WATAUGA	0	0.0	13	7.0	5.1
96 WAYNE	11	10.3	53	10.1	10.0
97 WILKES	8	13.2	37	12.3	10.9
98 WILSON	5	7.5	26	7.9	5.6
99 YADKIN	10	31.6	43	28.0	19.2
100 YANCEY	3	19.0	6	7.7	3.4

* SEE SECTION II

STATE CENTER FOR HEALTH AND ENVIRONMENTAL STATISTICS
DEPARTMENT OF ENVIRONMENT, HEALTH AND NATURAL RESOURCES

TABLE - 13
MORTALITY STATISTICS FOR 1992
NORTH CAROLINA RESIDENTS
DIABETES MELLITUS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
NORTH CAROLINA	1426	20.9	6901	20.7	18.4
REGIONS					
D.E.H.N.R. I	158	21.2	812	22.2	19.7
D.E.H.N.R. II	275	18.9	1348	19.1	18.9
D.E.H.N.R. III	286	20.8	1410	20.9	18.4
D.E.H.N.R. IV	295	21.6	1336	20.4	18.0
D.E.H.N.R. V	148	19.7	788	21.5	19.3
D.E.H.N.R. VI	156	24.2	772	24.5	18.9
D.E.H.N.R. VII	108	21.4	435	17.6	17.4
COUNTIES					
1 ALAMANCE	31	28.2	188	34.7	26.2
2 ALEXANDER	3	10.7	15	10.8	12.1
3 ALLEGHANY	1	10.1	5	10.3	3.7
4 ANSON	4	17.0	27	22.9	14.0
5 ASHE	6	26.7	21	18.8	39.2
6 AVERY	2	13.3	10	13.4	7.9
7 BEAUFORT	16	37.3	90	42.5	27.9
8 BERTIE	8	39.0	39	38.2	28.1
9 BLADEN	9	31.4	49	33.9	21.0
10 BRUNSWICK	14	25.7	46	17.8	14.7
11 BUNCOMBE	41	22.7	169	19.3	16.4
12 BURKE	14	18.2	92	24.2	21.6
13 CABARRUS	12	11.5	85	17.1	15.6
14 CALDWELL	22	30.6	99	27.9	29.6
15 CAMDEN	1	16.8	7	23.8	19.5
16 CARTERET	18	32.6	55	20.8	20.9
17 CASHWELL	3	14.3	32	30.6	19.2
18 CATAWBA	21	17.3	114	19.2	20.2
19 CHATHAM	15	36.8	55	28.2	20.2
20 CHEROKEE	0	0.0	20	19.6	8.8
21 CHOWAN	3	21.5	14	20.5	10.5
22 CLAY	0	0.0	3	8.3	4.2
23 CLEVELAND	21	24.4	109	25.7	21.5
24 COLUMBUS	11	21.9	66	26.4	19.0
25 CRAVEN	10	11.9	51	12.4	10.8
26 CUMBERLAND	37	13.1	196	14.3	20.9
27 CURRITUCK	2	13.7	16	23.1	21.0
28 DARE	3	12.9	15	13.4	9.9
29 DAVIDSON	22	16.6	106	16.6	16.7
30 DAVIE	4	13.9	27	19.3	15.5
31 DUPLIN	13	31.7	58	28.7	19.2
32 DURHAM	37	19.7	182	20.0	16.8
33 EDGEcombe	12	21.2	72	25.1	20.7
34 FORSYTH	79	29.3	327	24.6	20.6
35 FRANKLIN	8	20.6	52	28.2	18.5
36 GASTON	42	23.7	162	18.5	17.4
37 GATES	0	0.0	7	14.9	8.8
38 GRAHAM	4	56.2	8	22.2	36.3
39 GRANVILLE	11	27.7	44	22.7	14.0
40 GREENE	5	31.3	15	19.3	15.5
41 GUILFORD	58	16.4	322	18.5	16.3

* SEE SECTION II

MORTALITY STATISTICS FOR 1992, NORTH CAROLINA RESIDENTS
DIABETES MELLITUS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
42 HALIFAX	19	33.5	82	29.4	20.2
43 HARNETT	13	18.4	78	22.8	21.1
44 HAYWOOD	9	18.6	60	25.3	23.3
45 HENDERSON	6	8.3	41	11.8	11.1
46 HERTFORD	6	26.9	28	24.8	17.1
47 HOKE	8	33.9	20	17.4	13.4
48 HYDE	2	37.2	10	36.6	20.2
49 IREDELL	15	15.5	77	16.4	15.3
50 JACKSON	5	18.2	31	22.9	25.3
51 JOHNSTON	18	20.8	87	21.2	18.2
52 JONES	2	21.1	13	27.7	15.4
53 LEE	8	18.5	55	26.5	22.7
54 LENOIR	26	44.6	81	28.1	19.8
55 LINCOLN	5	9.6	36	14.3	16.0
56 MCDOONELL	9	25.0	39	21.8	18.2
57 MACON	7	28.4	34	28.7	11.3
58 MADISON	7	40.6	24	28.2	14.8
59 MARTIN	5	19.4	52	41.0	27.0
60 MECKLENBURG	94	17.5	469	18.3	19.5
61 MITCHELL	5	34.5	18	25.0	13.5
62 MONTGOMERY	7	29.8	27	23.1	18.5
63 MOORE	9	14.7	44	14.8	11.0
64 NASH	32	40.3	90	23.6	19.9
65 NEW HANOVER	40	31.3	135	22.2	19.4
66 NORTHAMPTON	7	33.8	34	32.6	14.2
67 ONSLOW	6	4.2	45	6.1	12.8
68 ORANGE	12	12.0	68	14.4	16.5
69 PAMLICO	2	17.5	10	17.6	11.0
70 PASQUOTANK	6	18.8	36	23.0	19.4
71 PENDER	6	19.4	30	20.7	13.7
72 PERQUIMANS	3	28.7	10	19.2	12.6
73 PERSON	3	9.8	25	16.5	13.3
74 PITT	36	31.8	145	26.7	24.8
75 POLK	6	39.8	27	37.2	26.2
76 RANDOLPH	20	18.3	96	18.0	20.4
77 RICHMOND	10	22.1	73	32.6	24.0
78 ROBESON	29	27.0	165	31.2	27.8
79 ROCKINGHAM	31	36.0	108	25.1	19.7
80 ROWAN	27	23.9	116	21.0	17.1
81 RUTHERFORD	11	19.0	66	23.2	19.7
82 SAMPSON	15	31.1	66	27.6	18.9
83 SCOTLAND	7	20.4	43	25.4	20.3
84 STANLY	20	37.7	84	32.3	27.3
85 STOKES	2	5.2	26	13.9	13.5
86 SURRY	13	20.7	63	20.4	17.8
87 SWAIN	2	17.8	23	41.3	39.0
88 TRANSYLVANIA	3	11.4	23	17.8	17.0
89 TYRRELL	2	51.5	7	36.2	18.9
90 UNION	15	17.0	81	19.1	22.5
91 VANCE	14	35.8	53	27.3	22.9
92 WAKE	74	16.1	309	14.4	17.5
93 WARREN	4	22.9	16	18.5	10.3
94 WASHINGTON	0	0.0	10	14.2	11.1
95 WATAUGA	4	10.6	15	8.1	6.5
96 WAYNE	18	16.8	116	22.1	20.4
97 WILKES	9	14.9	52	17.4	14.3
98 WILSON	21	31.4	112	33.8	25.1
99 YADKIN	3	9.5	22	14.3	11.9
100 YANCEY	5	31.6	25	32.2	15.4

* SEE SECTION II

STATE CENTER FOR HEALTH AND ENVIRONMENTAL STATISTICS
DEPARTMENT OF ENVIRONMENT, HEALTH AND NATURAL RESOURCES

TABLE - 14
MORTALITY STATISTICS FOR 1992
NORTH CAROLINA RESIDENTS
PNEUMONIA AND INFLUENZA

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
NORTH CAROLINA	1914	28.0	9596	28.8	23.4
REGIONS					
D.E.H.N.R. I	289	38.8	1449	39.6	23.1
D.E.H.N.R. II	378	26.0	1961	27.8	24.0
D.E.H.N.R. III	404	29.4	2053	30.4	23.1
D.E.H.N.R. IV	349	25.6	1674	25.6	22.9
D.E.H.N.R. V	194	25.9	958	26.1	25.3
D.E.H.N.R. VI	195	30.3	969	30.8	25.1
D.E.H.N.R. VII	105	20.8	532	21.6	20.8
COUNTIES					
1 ALAMANCE	27	24.6	135	24.9	17.4
2 ALEXANDER	8	28.5	55	39.7	34.7
3 ALLEGHANY	5	50.6	33	68.3	26.0
4 ANSON	9	38.2	76	64.4	41.6
5 ASHE	3	13.4	28	25.1	10.8
6 AVERY	9	60.0	45	60.4	32.8
7 BEAUFORT	16	37.3	104	49.1	32.9
8 BERTIE	8	39.0	42	41.2	32.0
9 BLADEN	14	48.9	69	47.8	37.2
10 BRUNSWICK	16	29.3	70	27.1	23.1
11 BUNCOMBE	76	42.2	374	42.7	24.8
12 BURKE	17	22.1	102	26.8	19.8
13 CABARRUS	41	39.5	221	44.4	33.3
14 CALDWELL	14	19.5	94	26.5	21.4
15 CAMDEN	1	16.8	8	27.3	19.7
16 CARTERET	11	19.9	56	21.2	17.3
17 CASHMELL	4	19.1	32	30.6	20.6
18 CATAWBA	44	36.2	184	31.0	28.0
19 CHATHAM	5	12.3	53	27.2	18.5
20 CHEROKEE	5	24.1	43	42.2	17.0
21 CHOHAN	11	78.7	47	68.8	34.9
22 CLAY	2	27.8	10	27.8	101.0
23 CLEVELAND	37	43.0	163	38.4	28.7
24 COLUMBUS	16	31.9	98	39.2	31.1
25 CRAVEN	16	19.1	82	20.0	20.0
26 CUMBERLAND	34	12.0	186	13.5	22.2
27 CURRITUCK	10	68.7	29	41.9	36.2
28 DARE	10	43.0	28	24.9	19.3
29 DAVIDSON	30	22.7	153	23.9	20.6
30 DAVIE	10	34.6	49	34.9	23.1
31 DUPLIN	13	31.7	69	34.2	25.2
32 DURHAM	55	29.3	236	25.9	22.5
33 EDGECOMBE	20	35.3	93	32.4	30.0
34 FORSYTH	77	28.6	423	31.8	24.5
35 FRANKLIN	17	43.8	51	27.6	19.9
36 GASTON	35	19.8	236	26.9	22.6
37 GATES	6	62.8	21	44.7	31.9
38 GRAHAM	3	42.2	13	36.1	34.1
39 GRANVILLE	20	50.4	92	47.5	37.9
40 GREENE	1	6.3	21	27.0	22.3
41 GUILFORD	107	30.2	525	30.2	23.4

* SEE SECTION II

MORTALITY STATISTICS FOR 1992, NORTH CAROLINA RESIDENTS
PNEUMONIA AND INFLUENZA CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
42 HALIFAX	23	40.6	99	35.5	24.4
43 HARNETT	22	31.1	96	28.1	24.6
44 HAYWOOD	18	37.2	100	42.1	18.4
45 HENDERSON	38	52.6	168	48.2	22.0
46 HERTFORD	12	53.9	39	34.6	16.5
47 Hoke	6	25.4	38	33.1	39.0
48 HYOE	4	74.4	15	54.9	35.2
49 IREDELL	35	36.1	139	29.6	21.4
50 JACKSON	9	32.7	61	45.1	27.5
51 JOHNSTON	24	27.7	120	29.2	24.4
52 JONES	1	10.6	13	27.7	17.4
53 LEE	14	32.5	69	33.2	26.5
54 LENOIR	15	25.7	80	27.8	21.1
55 LINCOLN	13	25.0	47	18.7	14.3
56 MCDOWELL	11	30.6	60	33.6	20.6
57 MACON	13	52.7	41	34.6	12.7
58 MADISON	6	34.8	49	57.6	23.6
59 MARTIN	12	46.6	46	36.3	28.2
60 MECKLENBURG	91	17.0	520	20.3	20.1
61 MITCHELL	7	48.3	30	41.7	16.9
62 MONTGOMERY	7	29.8	34	29.1	20.8
63 MOORE	19	30.9	131	44.2	23.8
64 NASH	20	25.2	116	30.4	24.2
65 NEW HANOVER	30	23.5	120	19.8	16.1
66 NORTHAMPTON	9	43.4	51	48.8	28.9
67 ONSLOW	14	9.7	76	10.3	23.2
68 ORANGE	10	10.0	75	15.8	16.5
69 PAMLICO	5	43.7	28	49.3	30.6
70 PASQUOTANK	11	34.4	57	36.5	24.0
71 PENDER	5	16.2	43	29.6	23.9
72 PERQUIMANS	6	57.5	25	48.0	24.4
73 PERSON	7	22.8	61	40.3	28.1
74 PITT	24	21.2	134	24.7	24.9
75 POLK	8	53.0	41	56.4	18.2
76 RANDOLPH	26	23.8	113	21.2	16.1
77 RICHMOND	19	42.0	62	27.7	20.7
78 ROBESON	32	29.8	159	30.1	30.1
79 ROCKINGHAM	19	22.0	128	29.8	21.6
80 ROWAN	43	38.1	216	39.0	25.7
81 RUTHERFORD	27	46.7	132	46.3	29.6
82 SAMPSON	25	51.8	74	31.0	22.5
83 SCOTLAND	7	20.4	33	19.5	19.0
84 STANLY	7	13.2	59	22.7	15.6
85 STOKES	23	60.2	76	40.7	37.4
86 SURRY	25	39.8	122	39.4	27.7
87 SWAIN	7	62.3	27	48.5	31.2
88 TRANSYLVANIA	10	38.0	35	27.1	16.7
89 TYRRELL	0	0.0	8	41.4	24.0
90 UNION	24	27.2	121	28.6	30.6
91 VANCE	15	38.4	96	49.4	33.9
92 WAKE	72	15.7	325	15.2	18.2
93 WARREN	8	45.9	32	37.0	19.8
94 WASHINGTON	6	42.9	32	45.6	35.2
95 WATAUGA	9	23.8	40	21.6	16.6
96 WAYNE	20	18.7	110	21.0	21.0
97 WILKES	27	44.7	124	41.4	31.2
98 WILSON	30	44.9	105	31.7	26.2
99 YADKIN	12	37.9	72	46.8	28.7
100 YANCEY	9	56.9	24	30.9	13.1

* SEE SECTION II

STATE CENTER FOR HEALTH AND ENVIRONMENTAL STATISTICS
DEPARTMENT OF ENVIRONMENT, HEALTH AND NATURAL RESOURCES

PNEUMONIA AND INFLUENZA

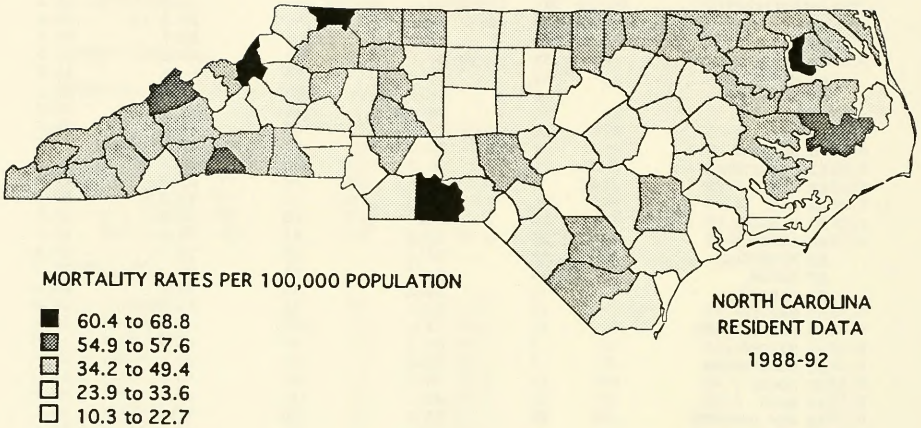


FIGURE 11.A

PNEUMONIA AND INFLUENZA

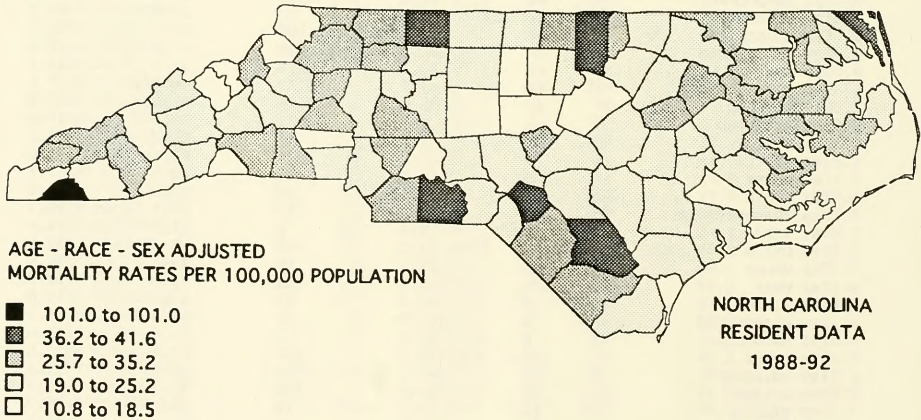


FIGURE 11.B

TABLE - 15

MORTALITY STATISTICS FOR 1992

NORTH CAROLINA RESIDENTS

CHRONIC OBSTRUCTIVE PULMONARY DISEASES

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
NORTH CAROLINA	2400	35.1	10737	32.3	27.9
REGIONS					
D.E.H.N.R. I	369	49.5	1652	45.2	27.4
D.E.H.N.R. II	462	30.4	1979	28.1	25.2
D.E.H.N.R. III	599	43.6	2520	37.3	29.9
D.E.H.N.R. IV	374	27.4	1704	26.1	26.3
D.E.H.N.R. V	224	29.9	1051	28.7	29.8
D.E.H.N.R. VI	229	35.6	1108	35.2	31.8
D.E.H.N.R. VII	163	32.4	723	29.3	28.9
COUNTIES					
1 ALAMANCE	57	51.8	277	51.2	37.2
2 ALEXANDER	8	28.5	31	22.4	19.5
3 ALLEGHANY	9	91.1	26	53.8	34.4
4 ANSON	1	4.2	33	28.0	22.2
5 ASHE	16	71.3	61	54.6	75.5
6 AVERY	7	46.7	47	63.1	36.8
7 BEAUFORT	18	42.0	98	46.2	34.0
8 BERTIE	8	39.0	34	33.3	26.9
9 BLADEN	17	59.3	57	39.5	33.1
10 BRUNSWICK	21	38.5	82	31.7	23.6
11 BUNCOMBE	77	42.7	400	45.6	29.5
12 BURKE	38	49.4	148	38.9	29.6
13 CABARRUS	36	34.6	160	32.2	25.7
14 CALDWELL	27	37.6	115	32.4	27.8
15 CAMDEN	7	117.6	21	71.5	54.0
16 CARTERET	26	47.1	100	37.8	27.1
17 CASHWELL	12	57.3	33	31.6	27.8
18 CATAWBA	30	24.7	186	31.3	26.9
19 CHATHAM	17	41.7	59	30.3	22.5
20 CHEROKEE	18	86.8	44	43.1	24.2
21 CHOWAN	9	64.4	37	54.2	33.2
22 CLAY	6	83.5	11	30.6	11.9
23 CLEVELAND	35	40.7	141	33.2	25.8
24 COLUMBUS	19	37.9	75	30.0	25.2
25 CRAVEN	29	34.6	123	30.0	30.2
26 CUMBERLAND	71	25.1	281	20.4	35.7
27 CURRITUCK	5	34.3	27	39.0	31.4
28 DARE	7	30.1	29	25.8	18.1
29 DAVIDSON	58	43.9	208	32.5	26.3
30 DAVIE	9	31.2	47	33.5	23.7
31 DUPLIN	17	41.4	90	44.6	36.5
32 DURHAM	56	29.8	236	25.9	27.2
33 EDGECOMBE	21	37.1	79	27.5	29.6
34 FORSYTH	124	46.0	509	38.2	32.9
35 FRANKLIN	9	23.2	47	25.5	23.3
36 GASTON	70	39.6	293	33.4	28.6
37 GATES	5	52.3	22	46.9	36.8
38 GRAHAM	4	56.2	13	36.1	19.4
39 GRANVILLE	13	32.7	60	31.0	27.2
40 GREENE	2	12.5	23	29.6	26.8
41 GUILFORD	138	38.9	584	33.6	29.4

* SEE SECTION II

MORTALITY STATISTICS FOR 1992, NORTH CAROLINA RESIDENTS
CHRONIC OBSTRUCTIVE PULMONARY DISEASES CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
42 HALIFAX	24	42.4	110	39.4	32.6
43 HARNETT	24	33.9	103	30.1	27.7
44 HAYWOOD	32	66.2	135	56.9	25.5
45 HENDERSON	45	62.2	216	61.9	28.5
46 HERTFORD	10	44.9	43	38.1	27.5
47 HOKE	8	33.9	30	26.2	35.8
48 HYDE	3	55.8	14	51.3	31.7
49 IREDELL	33	34.1	151	32.2	24.7
50 JACKSON	8	29.1	37	27.4	18.3
51 JOHNSTON	16	18.5	112	27.3	22.6
52 JONES	0	0.0	13	27.7	27.2
53 LEE	11	25.5	62	29.8	23.8
54 LENOIR	25	42.8	116	40.3	34.6
55 LINCOLN	11	21.2	51	20.3	17.0
56 MCDOWELL	14	38.9	84	47.0	35.0
57 MACON	15	60.8	57	48.2	26.4
58 MADISON	13	75.4	36	42.3	20.0
59 MARTIN	12	46.6	48	37.8	34.2
60 MECKLENBURG	142	26.5	617	24.1	26.5
61 MITCHELL	5	34.5	41	57.0	39.2
62 MONTGOMERY	3	12.8	42	36.0	28.0
63 MOORE	29	47.2	126	42.5	22.1
64 NASH	34	42.8	131	34.3	29.8
65 NEW HANOVER	46	36.0	194	32.0	27.8
66 NORTHAMPTON	9	43.4	37	35.4	20.8
67 ONSLOW	21	14.6	113	15.3	34.2
68 ORANGE	17	17.1	91	19.2	23.1
69 PAMLICO	2	17.5	20	35.2	24.4
70 PASQUOTANK	11	34.4	58	37.1	32.8
71 PENDER	13	42.0	69	47.5	37.9
72 PERQUIMANS	4	38.3	25	48.0	31.1
73 PERSON	9	29.3	54	35.7	28.1
74 PITT	33	29.2	145	26.7	30.6
75 POLK	9	59.7	36	49.5	17.2
76 RANDOLPH	33	30.2	159	29.9	22.8
77 RICHMOND	12	26.5	87	38.9	31.2
78 ROBESON	31	28.9	152	28.8	35.0
79 ROCKINGHAM	48	55.7	181	42.1	31.5
80 ROHAN	41	36.4	202	36.5	25.3
81 RUTHERFORD	31	53.7	122	42.8	26.0
82 SAMPSON	24	49.7	98	41.0	30.5
83 SCOTLAND	4	11.7	42	24.8	27.2
84 STANLY	13	24.5	62	23.9	18.9
85 STOKES	15	39.3	55	29.5	23.0
86 SURRY	31	49.4	133	43.0	31.7
87 SWAIN	6	53.4	22	39.5	29.2
88 TRANSYLVANIA	6	22.8	55	42.6	23.5
89 TYRRELL	2	51.5	10	51.7	29.7
90 UNION	23	26.1	85	20.1	20.1
91 VANCE	12	30.7	64	32.9	31.0
92 WAKE	95	20.7	429	20.0	26.1
93 WARREN	9	51.6	36	41.7	26.1
94 WASHINGTON	8	57.2	27	38.5	31.3
95 WATAUGA	7	18.5	50	27.1	20.5
96 WAYNE	29	27.1	175	33.4	37.0
97 WILKES	25	41.4	130	43.4	31.5
98 WILSON	22	32.9	97	29.3	26.2
99 YADKIN	17	53.7	67	43.6	28.4
100 YANCEY	8	50.6	33	42.5	20.4

* SEE SECTION II

STATE CENTER FOR HEALTH AND ENVIRONMENTAL STATISTICS
DEPARTMENT OF ENVIRONMENT, HEALTH AND NATURAL RESOURCES

CHRONIC OBSTRUCTIVE PULMONARY DISEASES

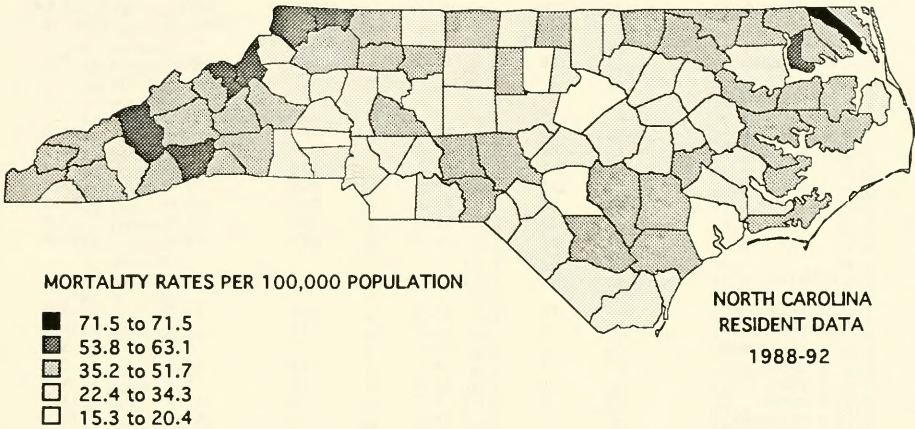


FIGURE 12.A

CHRONIC OBSTRUCTIVE PULMONARY DISEASES

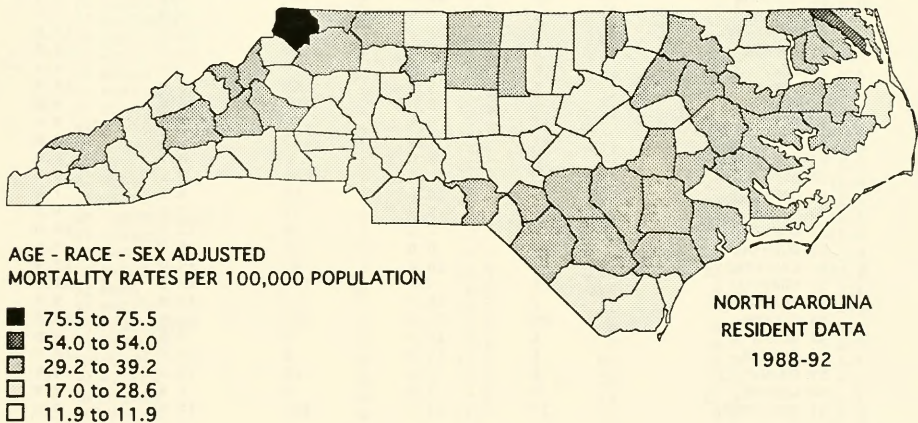


FIGURE 12.B

TABLE - 16

MORTALITY STATISTICS FOR 1992

NORTH CAROLINA RESIDENTS

CHRONIC LIVER DISEASE AND CIRRHOSIS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
NORTH CAROLINA	730	10.7	3570	10.7	9.8
REGIONS					
D.E.H.N.R. I	89	11.9	450	12.3	11.3
D.E.H.N.R. II	155	10.6	729	10.3	10.1
D.E.H.N.R. III	142	10.3	712	10.5	9.6
D.E.H.N.R. IV	129	9.5	655	10.0	9.5
D.E.H.N.R. V	76	10.1	397	10.8	10.4
D.E.H.N.R. VI	77	12.0	354	11.2	9.9
D.E.H.N.R. VII	62	12.3	273	11.1	11.0
COUNTIES					
1 ALAMANCE	13	11.8	56	10.3	8.7
2 ALEXANDER	4	14.2	11	7.9	12.1
3 ALLEGHANY	1	10.1	4	8.3	5.2
4 ANSON	1	4.2	15	12.7	9.1
5 ASHE	3	13.4	10	8.9	4.9
6 AVERY	1	6.7	13	17.4	11.1
7 BEAUFORT	7	16.3	32	15.1	11.5
8 BERTIE	2	9.8	9	8.8	11.1
9 BLOOMING	2	7.0	18	12.5	10.6
10 BRUNSWICK	10	18.3	41	15.9	13.1
11 BUNCOMBE	24	13.3	99	11.3	11.4
12 BURKE	7	9.1	40	10.5	10.4
13 CABARRUS	6	5.8	41	8.2	6.8
14 CALDWELL	6	8.4	26	7.3	7.3
15 CAMDEN	1	16.8	1	3.4	2.8
16 CARTERET	6	10.9	36	13.6	10.9
17 CASKELL	3	14.3	10	9.6	5.6
18 CATAWBA	20	16.5	54	9.1	9.9
19 CHATHAM	4	9.8	19	9.8	7.7
20 CHEROKEE	2	9.6	15	14.7	12.6
21 CHOWAN	3	21.5	10	14.6	11.8
22 CLAY	0	0.0	1	2.8	1.1
23 CLEVELAND	5	5.8	59	13.9	12.2
24 COLUMBUS	4	8.0	27	10.8	9.0
25 CRAVEN	7	8.4	35	8.5	8.4
26 CUMBERLAND	21	7.4	117	8.5	10.5
27 CURRITUCK	0	0.0	6	8.7	6.6
28 DARE	3	12.9	8	7.1	5.1
29 DAVISON	14	10.6	52	8.1	7.8
30 DAVIE	1	3.5	10	7.1	6.2
31 DUPLIN	3	7.3	25	12.4	10.9
32 DURHAM	15	8.0	88	9.7	9.6
33 EDGEcombe	6	10.6	43	15.0	13.9
34 FORSYTH	25	9.3	167	12.5	11.2
35 FRANKLIN	7	18.0	20	10.8	9.9
36 GASTON	30	17.0	121	13.8	13.5
37 GATES	1	10.5	2	4.3	4.8
38 GRAHAM	1	14.1	5	13.9	18.9
39 GRANVILLE	3	7.6	22	11.4	9.4
40 GREENE	0	0.0	2	2.6	2.9
41 GUILFORD	39	11.0	184	10.6	9.5

* SEE SECTION II

MORTALITY STATISTICS FOR 1992, NORTH CAROLINA RESIDENTS
CHRONIC LIVER DISEASE AND CIRRHOSIS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
42 HALIFAX	9	15.9	58	20.8	15.2
43 HARNETT	4	5.6	32	9.4	9.0
44 HAYWOOD	4	8.3	33	13.9	8.1
45 HENDERSON	13	18.0	52	14.9	9.3
46 HERTFORD	7	31.4	24	21.3	16.7
47 HOKE	4	17.0	16	14.0	9.6
48 HYOE	0	0.0	0	0.0	0.0
49 IREDELL	9	9.3	54	11.5	10.8
50 JACKSON	7	25.4	20	14.8	14.4
51 JOHNSTON	13	15.0	57	13.9	12.8
52 JONES	2	21.1	5	10.7	9.3
53 LEE	7	16.2	33	15.9	13.9
54 LENOIR	6	10.3	39	13.5	11.1
55 LINCOLN	3	5.8	22	8.8	7.8
56 MCOWELL	7	19.4	26	14.6	15.1
57 MACON	4	16.2	18	15.2	8.3
58 MADISON	0	0.0	8	9.4	6.0
59 MARTIN	1	3.9	19	15.0	12.4
60 MECKLENBURG	55	10.3	262	10.2	9.9
61 MITCHELL	2	13.8	13	18.1	11.3
62 MONTGOMERY	2	8.5	9	7.7	6.0
63 MOORE	9	14.7	48	16.2	12.7
64 NASH	10	12.6	57	14.9	13.6
65 NEW HANOVER	18	14.1	76	12.5	11.2
66 NORTHAMPTON	2	9.6	18	17.2	16.0
67 ONSLOW	15	10.4	51	6.9	12.0
68 ORANGE	3	3.0	17	3.6	4.0
69 PAMLICO	0	0.0	5	8.8	6.3
70 PASQUOTANK	2	6.3	15	9.6	8.2
71 PENDER	6	19.4	17	11.7	9.4
72 PERQUIMANS	1	9.6	6	11.5	9.4
73 PERSON	4	13.0	12	7.9	6.9
74 PITT	14	12.4	59	10.9	11.7
75 POLK	1	6.6	11	15.1	10.8
76 RANDOLPH	10	9.2	41	7.7	8.4
77 RICHMOND	5	11.1	30	13.4	11.7
78 ROBESON	18	16.8	66	12.5	11.2
79 ROCKINGHAM	15	17.4	68	15.8	13.3
80 ROWAN	10	8.9	53	9.6	8.4
81 RUTHERFORD	5	8.7	31	10.9	11.0
82 SAMPSON	6	12.4	34	14.2	12.2
83 SCOTLAND	4	11.7	12	7.1	7.6
84 STANLY	6	11.3	21	8.1	7.3
85 STOKES	5	13.1	20	10.7	9.5
86 SURRY	2	3.2	40	12.9	13.4
87 SWAIN	3	26.7	11	19.8	16.4
88 TRANSYLVANIA	2	7.6	23	17.8	15.8
89 TYRRELL	1	25.7	6	31.0	21.1
90 UNION	7	7.9	31	7.3	7.9
91 VANCE	9	23.0	27	13.9	12.2
92 WAKE	30	6.5	130	6.1	7.1
93 WARREN	2	11.5	11	12.7	8.9
94 WASHINGTON	0	0.0	4	5.7	4.2
95 WATAUGA	2	5.3	9	4.9	3.9
96 WAYNE	19	17.7	67	12.8	11.4
97 WILKES	5	8.3	28	9.3	6.6
98 WILSON	5	7.5	43	13.0	11.1
99 YADKIN	4	12.6	13	8.5	8.5
100 YANCEY	0	0.0	5	6.4	3.5

* SEE SECTION II

STATE CENTER FOR HEALTH AND ENVIRONMENTAL STATISTICS
DEPARTMENT OF ENVIRONMENT, HEALTH AND NATURAL RESOURCES

CHRONIC LIVER DISEASE AND CIRRHOSIS

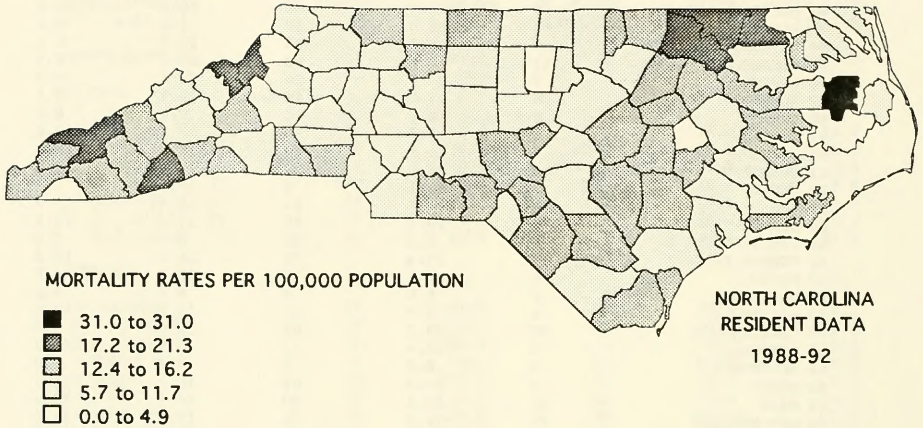


FIGURE 13.A

CHRONIC LIVER DISEASE AND CIRRHOSIS

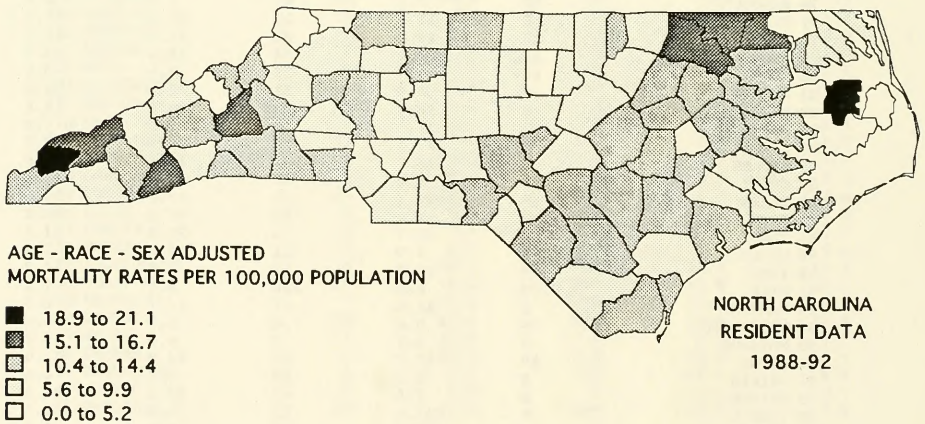


FIGURE 13.B

TABLE - 17

MORTALITY STATISTICS FOR 1992

NORTH CAROLINA RESIDENTS

NEPHRITIS AND NEPHROSIS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
NORTH CAROLINA	546	8.0	2740	8.2	7.1
REGIONS					
D.E.H.N.R. I	60	8.0	311	8.5	6.1
D.E.H.N.R. II	96	6.6	548	7.8	7.3
D.E.H.N.R. III	127	9.2	553	8.2	6.9
D.E.H.N.R. IV	111	8.1	513	7.8	6.7
D.E.H.N.R. V	52	6.9	310	8.5	7.3
D.E.H.N.R. VI	60	9.3	304	9.6	7.1
D.E.H.N.R. VII	40	7.9	201	8.2	8.0
COUNTIES					
1 ALAMANCE	16	14.5	64	11.8	9.2
2 ALEXANDER	1	3.6	8	5.8	4.3
3 ALLEGHANY	1	10.1	8	16.6	6.2
4 ANSON	2	8.5	14	11.9	7.5
5 ASHE	3	13.4	9	8.1	3.6
6 AVERY	3	20.0	6	8.1	3.9
7 BEAUFORT	3	7.0	22	10.4	7.8
8 BERTIE	2	9.8	17	16.7	7.6
9 BLADEN	4	14.0	24	16.6	11.1
10 BRUNSWICK	5	9.2	22	8.5	7.7
11 BUNCOMBE	17	9.4	72	8.2	6.1
12 BURKE	6	7.8	36	9.5	8.0
13 CABARRUS	9	8.7	42	8.4	7.8
14 CALDWELL	1	1.4	24	6.8	7.3
15 CAMDEN	0	0.0	1	3.4	2.5
16 CARTERET	5	9.1	18	6.8	7.4
17 CASHELL	4	19.1	13	12.4	6.6
18 CATAWBA	8	6.6	65	11.0	11.7
19 CHATHAM	4	9.8	19	9.8	6.6
20 CHEROKEE	1	4.8	8	7.8	6.6
21 CHOWAN	2	14.3	8	11.7	6.0
22 CLAY	0	0.0	3	8.3	3.3
23 CLEVELAND	7	8.1	43	10.1	8.0
24 COLUMBUS	9	18.0	40	16.0	11.4
25 CRAVEN	5	6.0	27	6.6	5.6
26 CUMBERLAND	14	4.9	70	5.1	7.1
27 CURRITUCK	1	6.9	4	5.8	5.1
28 DARE	0	0.0	9	8.0	7.7
29 DAVIDSON	12	9.1	61	9.5	10.3
30 DAVIE	2	6.9	8	5.7	4.1
31 DUPLIN	6	14.6	29	14.4	10.4
32 DURHAM	21	11.2	86	9.4	7.7
33 EDGECOMBE	10	17.7	38	13.2	8.2
34 FORSYTH	33	12.2	113	8.5	6.5
35 FRANKLIN	6	15.5	20	10.8	6.5
36 GASTON	13	7.3	65	7.4	7.0
37 GATES	4	41.8	6	12.8	5.6
38 GRAHAM	2	28.1	8	22.2	10.8
39 GRANVILLE	1	2.5	11	5.7	3.4
40 GREENE	3	18.8	7	9.0	8.0
41 GUILFORD	20	5.6	120	6.9	5.7

* SEE SECTION II

MORTALITY STATISTICS FOR 1992, NORTH CAROLINA RESIDENTS
NEPHRITIS AND NEPHROSIS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
42 HALIFAX	4	7.1	30	10.8	6.7
43 HARNETT	7	9.9	30	8.8	7.4
44 HAYWOOD	5	10.3	19	8.0	8.2
45 HENDERSON	7	9.7	24	6.9	4.3
46 HERTFORD	4	18.0	16	14.2	5.1
47 HOKE	2	8.5	11	9.6	7.3
48 HYDE	2	37.2	5	18.3	10.0
49 IREDELL	5	5.2	41	8.7	7.4
50 JACKSON	3	10.9	15	11.1	9.2
51 JOHNSTON	6	6.9	30	7.3	6.2
52 JONES	0	0.0	3	6.4	4.6
53 LEE	7	16.2	23	11.1	9.2
54 LENOIR	9	15.4	46	16.0	10.5
55 LINCOLN	5	9.6	22	8.8	7.9
56 MCDOWELL	3	8.3	21	11.8	7.0
57 MACON	1	4.1	8	6.8	2.2
58 MADISON	3	17.4	9	10.6	4.8
59 MARTIN	2	7.8	13	10.2	5.4
60 MECKLENBURG	23	4.3	149	5.8	6.0
61 MITCHELL	1	6.9	4	5.6	2.8
62 MONTGOMERY	2	8.5	12	10.3	7.8
63 MOORE	4	6.5	26	8.8	6.0
64 NASH	8	10.1	39	10.2	8.1
65 NEW HAMOVER	8	6.3	47	7.7	6.5
66 NORTHAMPTON	3	14.5	12	11.5	5.6
67 ONSLOW	5	3.5	24	3.2	6.9
68 ORANGE	4	4.0	24	5.1	6.3
69 PAMLICO	0	0.0	2	3.5	2.7
70 PASQUOTANK	2	6.3	10	6.4	4.1
71 PENDER	2	6.5	21	14.5	10.8
72 PERQUIMANS	1	9.6	8	15.4	7.2
73 PERSON	0	0.0	24	15.8	10.2
74 PITT	10	8.8	46	8.5	7.8
75 POLK	0	0.0	9	12.4	5.7
76 RANDOLPH	7	6.4	34	6.4	6.8
77 RICHMOND	6	13.3	27	12.1	9.6
78 ROBESON	7	6.5	58	11.0	8.1
79 ROCKINGHAM	8	9.3	42	9.8	7.2
80 ROHAN	14	12.4	52	9.4	7.2
81 RUTHERFORD	2	3.5	22	7.7	6.3
82 SAMPSON	4	8.3	28	11.7	7.7
83 SCOTLAND	0	0.0	10	5.9	4.8
84 STANLY	6	11.3	28	10.8	7.7
85 STOKES	4	10.5	9	4.8	3.3
86 SURRY	6	9.6	28	9.0	7.1
87 SWAIN	1	8.9	5	9.0	5.8
88 TRANSYLVANIA	1	3.8	11	8.5	3.9
89 TYRRELL	1	25.7	7	36.2	18.9
90 UNION	5	5.7	33	7.8	8.6
91 VANCE	7	17.9	24	12.4	9.0
92 WAKE	22	4.8	104	4.8	6.0
93 WARREN	3	17.2	14	16.2	8.5
94 WASHINGTON	0	0.0	6	8.5	4.9
95 WATAUGA	1	2.6	7	3.8	2.4
96 WAYNE	9	8.4	41	7.8	7.2
97 WILKES	6	9.9	24	8.0	8.6
98 WILSON	5	7.5	15	4.5	3.3
99 YADKIN	4	12.6	13	8.5	5.3
100 YANCEY	3	19.0	7	9.0	4.3

* SEE SECTION II

STATE CENTER FOR HEALTH AND ENVIRONMENTAL STATISTICS
DEPARTMENT OF ENVIRONMENT, HEALTH AND NATURAL RESOURCES

TABLE - 18
MORTALITY STATISTICS FOR 1992

NORTH CAROLINA RESIDENTS
UNINTENTIONAL MOTOR VEHICLE INJURIES

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
NORTH CAROLINA	1308	19.1	7343	22.1	22.1
REGIONS					
D.E.H.N.R. I	142	19.0	759	20.8	21.9
D.E.H.N.R. II	218	15.0	1436	20.4	20.8
D.E.H.N.R. III	233	16.9	1401	20.7	20.9
D.E.H.N.R. IV	260	19.1	1379	21.1	20.6
D.E.H.N.R. V	205	27.3	1056	28.8	27.3
D.E.H.N.R. VI	136	21.1	735	23.3	22.9
D.E.H.N.R. VII	114	22.6	577	23.4	22.2
COUNTIES					
1 ALAMANCE	18	16.4	110	20.3	21.1
2 ALEXANDER	2	7.1	39	28.1	25.2
3 ALLEGHANY	3	30.4	16	33.1	28.6
4 ANSON	6	25.5	32	27.1	26.0
5 ASHE	5	22.3	27	24.2	18.7
6 AVERY	2	13.3	21	28.2	33.6
7 BEAUFORT	12	28.0	54	25.5	27.0
8 BERTIE	6	29.3	43	42.1	51.3
9 BLADEN	7	24.4	58	40.2	42.1
10 BRUNSWICK	16	29.3	90	34.8	36.3
11 BUNCOMBE	16	8.9	152	17.3	17.3
12 BURKE	17	22.1	83	21.8	21.0
13 CABARRUS	13	12.5	91	18.3	19.2
14 CALDWELL	18	25.1	84	23.7	26.1
15 CAMDEN	2	33.6	6	20.4	17.8
16 CARTERET	15	27.2	57	21.5	22.9
17 CASHIEL	7	33.4	32	30.6	26.7
18 CATAWBA	23	18.9	160	27.0	27.2
19 CHATHAM	17	41.7	62	31.8	31.8
20 CHEROKEE	5	24.1	16	15.7	20.4
21 CHOWAN	5	35.8	12	17.6	20.4
22 CLAY	2	27.8	6	16.7	12.9
23 CLEVELAND	26	30.2	97	22.9	23.1
24 COLUMBUS	24	47.9	99	39.6	42.1
25 CRAVEN	12	14.3	65	15.9	16.0
26 CUMBERLAND	58	20.5	286	20.8	19.4
27 CURRITUCK	6	41.2	30	43.4	51.3
28 DARE	4	17.2	16	14.2	27.2
29 DAVIDSON	25	18.9	137	21.4	23.1
30 DAVIE	2	6.9	37	26.4	33.1
31 DUPLIN	6	14.6	58	28.7	28.7
32 DURHAM	21	11.2	124	13.6	13.0
33 EDGECOMBE	20	35.3	69	24.1	25.6
34 FORSYTH	38	14.1	196	14.7	15.3
35 FRANKLIN	12	30.9	66	35.8	34.1
36 GASTON	26	14.7	184	21.0	21.0
37 GATES	5	52.3	26	55.4	48.6
38 GRAHAM	0	0.0	2	5.6	15.6
39 GRANVILLE	8	20.1	60	31.0	30.7
40 GREENE	3	18.8	23	29.6	30.0
41 GUILFORD	51	14.4	297	17.1	17.4

* SEE SECTION II

MORTALITY STATISTICS FOR 1992, NORTH CAROLINA RESIDENTS
UNINTENTIONAL MOTOR VEHICLE INJURIES CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
42 HALIFAX	17	30.0	88	31.5	31.6
43 HARNETT	14	19.8	110	32.2	32.0
44 HAYWOOD	10	20.7	48	20.2	19.9
45 HENDERSON	14	19.4	79	22.6	22.2
46 HERTFORD	4	18.0	26	23.1	22.5
47 HOKI	10	42.4	33	28.8	20.9
48 HYDE	3	55.8	10	36.6	38.4
49 IREDELL	13	13.4	122	26.0	27.6
50 JACKSON	6	21.8	30	22.2	20.2
51 JOHNSTON	23	26.6	120	29.2	29.9
52 JONES	2	21.1	15	32.0	33.9
53 LEE	17	39.4	70	33.7	36.7
54 LENOIR	9	15.4	72	25.0	24.7
55 LINCOLN	7	13.5	71	28.3	26.8
56 MCDOWELL	5	13.9	50	28.0	30.9
57 MACON	6	24.3	19	16.1	38.2
58 MADISON	7	40.6	21	24.7	18.7
59 MARTIN	12	46.6	46	36.3	36.0
60 MECKLENBURG	61	11.4	363	14.2	14.4
61 MITCHELL	2	13.8	13	18.1	16.2
62 MONTGOMERY	4	17.0	30	25.7	24.7
63 MOORE	20	32.6	86	29.0	30.3
64 NASH	16	20.2	100	26.2	27.5
65 NEW HANOVER	18	14.1	84	13.8	14.0
66 NORTHAMPTON	9	43.4	34	32.6	29.6
67 ONSLOW	26	18.1	134	18.1	16.3
68 ORANGE	20	20.1	79	16.7	16.7
69 PAMLICO	5	43.7	14	24.7	22.6
70 PASQUOTANK	4	12.5	28	17.9	19.6
71 PENDER	9	29.1	55	37.9	37.2
72 PERQUIMANS	2	19.2	13	25.0	27.9
73 PERSON	8	26.0	46	30.4	28.1
74 PITT	15	13.3	103	19.0	18.5
75 POLK	4	26.5	26	35.8	47.1
76 RANDOLPH	24	22.0	155	29.1	28.1
77 RICHMOND	24	53.1	87	38.9	37.4
78 ROBESON	36	33.6	197	37.3	31.8
79 ROCKINGHAM	13	15.1	101	23.5	24.8
80 ROMAN	21	18.6	128	23.1	24.2
81 RUTHERFORD	16	27.7	67	23.5	25.7
82 SAMPSON	17	35.2	87	36.4	36.3
83 SCOTLAND	9	26.2	50	29.5	31.9
84 STANLY	12	22.6	77	29.6	29.1
85 STOKES	8	20.9	38	20.4	21.5
86 SURRY	11	17.5	88	28.4	28.4
87 SHAIN	5	44.5	11	19.8	17.6
88 PENNSYLVANIA	6	22.8	16	12.4	9.9
89 TYRRELL	1	25.7	2	10.3	13.7
90 UNION	14	15.9	104	24.6	26.0
91 VANCE	9	23.0	59	30.4	30.6
92 WAKE	41	8.9	283	13.2	13.3
93 WARREN	5	28.7	28	32.4	28.4
94 WASHINGTON	4	28.6	15	21.4	25.4
95 WATAUGA	5	13.2	34	18.4	14.3
96 WAYNE	20	18.7	116	22.1	21.9
97 WILKES	18	29.8	90	30.0	33.1
98 WILSON	17	25.4	91	27.5	28.2
99 YADKIN	5	15.8	43	28.0	32.5
100 YANCEY	1	6.3	15	19.3	16.2

* SEE SECTION II

STATE CENTER FOR HEALTH AND ENVIRONMENTAL STATISTICS
DEPARTMENT OF ENVIRONMENT, HEALTH AND NATURAL RESOURCES

UNINTENTIONAL MOTOR VEHICLE INJURIES

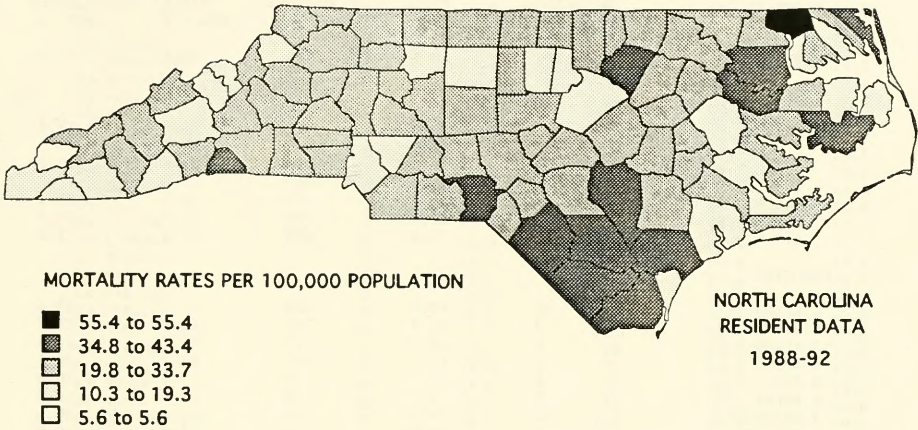


FIGURE 14.A

UNINTENTIONAL MOTOR VEHICLE INJURIES

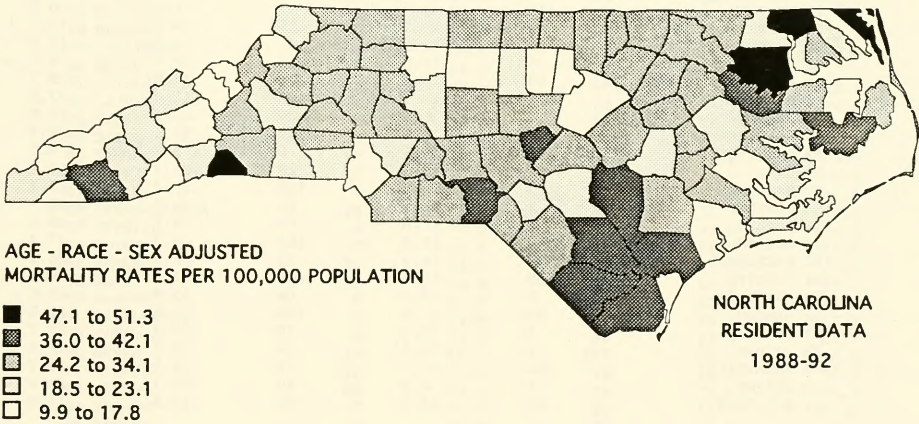


FIGURE 14.B

TABLE - 19

MORTALITY STATISTICS FOR 1992

NORTH CAROLINA RESIDENTS

ALL OTHER UNINTENTIONAL INJURIES

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
NORTH CAROLINA	1394	20.4	7425	22.3	20.3
REGIONS					
D.E.H.N.R. I	192	25.7	971	26.6	22.5
D.E.H.N.R. II	230	15.8	1410	20.0	19.1
D.E.H.N.R. III	279	20.3	1430	21.2	19.1
D.E.H.N.R. IV	271	19.9	1389	21.3	19.1
D.E.H.N.R. V	163	21.7	917	25.0	23.1
D.E.H.N.R. VI	144	22.4	758	24.1	20.7
D.E.H.N.R. VII	115	22.8	550	22.3	21.6
COUNTIES					
1 ALAMANCE	22	20.0	120	22.2	19.6
2 ALEXANDER	7	24.9	26	18.8	17.7
3 ALLEGHANY	1	10.1	11	22.8	17.1
4 ANSON	4	17.0	38	32.2	26.6
5 ASHE	6	26.7	20	17.9	10.5
6 AVERY	1	6.7	20	26.8	15.3
7 BEAUFORT	17	39.7	57	26.9	22.6
8 BERTIE	2	9.8	32	31.4	20.9
9 BLADEN	6	20.9	39	27.0	21.1
10 BRUNSWICK	15	27.5	60	23.2	21.9
11 BUNCOMBE	56	31.1	249	28.4	23.7
12 BURKE	15	19.5	93	24.4	22.5
13 CABARRUS	16	15.4	83	16.7	16.2
14 CALDWELL	7	9.7	58	16.3	15.9
15 CAMDEN	1	16.8	11	37.5	26.0
16 CARTERET	12	21.8	88	33.3	31.4
17 CASHWELL	2	9.5	20	19.1	11.1
18 CATAWBA	21	17.3	119	20.0	21.5
19 CHATHAM	14	34.4	47	24.1	20.3
20 CHEROKEE	4	19.3	29	28.4	28.2
21 CHOWAN	3	21.5	21	30.7	23.2
22 CLAY	2	27.8	3	8.3	3.8
23 CLEVELAND	10	11.6	87	20.5	18.1
24 COLUMBUS	15	29.9	80	32.0	27.9
25 CRAVEN	13	15.5	86	21.0	19.8
26 CUMBERLAND	58	20.5	279	20.3	21.7
27 CURRITUCK	3	20.6	6	8.7	9.2
28 DARE	4	17.2	28	24.9	25.7
29 DAVIDSON	23	17.4	145	22.7	23.1
30 DAVIE	3	10.4	32	22.8	22.9
31 DUPLIN	7	17.0	59	29.2	25.2
32 DURHAM	39	20.8	181	19.9	17.7
33 EDGECOMBE	8	14.1	83	28.9	25.3
34 FORSYTH	55	20.4	282	21.2	18.3
35 FRANKLIN	8	20.6	66	35.8	28.5
36 GASTON	31	17.5	188	21.4	21.0
37 GATES	1	10.5	15	32.0	21.7
38 GRAHAM	2	28.1	14	38.9	26.6
39 GRANVILLE	11	27.7	39	20.1	16.7
40 GREENE	1	6.3	20	25.7	22.6
41 GUILFORD	81	22.9	353	20.3	17.8

* SEE SECTION II

MORTALITY STATISTICS FOR 1992, NORTH CAROLINA RESIDENTS
ALL OTHER UNINTENTIONAL INJURIES CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
42 HALIFAX	22	38.8	96	34.4	29.1
43 HARNETT	11	15.5	93	27.2	25.5
44 HAYWOOD	12	24.8	63	26.5	14.2
45 HENDERSON	20	27.7	108	31.0	21.6
46 HERTFORD	10	44.9	35	31.0	22.4
47 HOKE	5	21.2	16	14.0	11.1
48 HYDE	4	74.4	13	47.6	39.4
49 IREDELL	10	10.3	114	24.3	21.9
50 JACKSON	6	21.8	34	25.1	23.1
51 JOHNSTON	21	24.3	102	24.8	23.5
52 JONES	0	0.0	12	25.6	22.0
53 LEE	9	20.9	52	25.0	23.0
54 LENOIR	7	12.0	56	19.4	17.4
55 LINCOLN	8	15.4	58	23.1	22.4
56 MCCOY	8	22.2	44	24.6	19.4
57 MACON	3	12.2	32	27.0	21.5
58 MADISON	1	5.8	25	29.4	54.3
59 MARTIN	3	11.7	33	26.0	21.3
60 MECKLENBURG	79	14.7	463	18.1	17.3
61 MITCHELL	6	41.4	26	36.1	19.2
62 MONTGOMERY	7	29.8	33	28.3	24.2
63 MOORE	14	22.8	65	21.9	18.4
64 NASH	10	12.6	111	29.1	25.8
65 NEW HANOVER	29	22.7	126	20.8	19.4
66 NORTHAMPTON	3	14.5	38	36.4	23.5
67 ONSLOW	30	20.8	104	14.1	17.8
68 ORANGE	10	10.0	63	13.3	14.6
69 PAMLICO	4	34.9	21	37.0	35.2
70 PASQUOTANK	5	15.6	30	19.2	16.0
71 PENDER	7	22.6	33	22.7	20.3
72 PERQUIMANS	4	38.3	19	36.5	27.5
73 PERSON	10	32.5	39	25.7	22.1
74 PITT	42	37.1	139	25.6	23.9
75 POLK	8	53.0	23	31.7	14.7
76 RANDOLPH	19	17.4	100	18.8	18.7
77 RICHMOND	6	13.3	72	32.2	29.7
78 ROBESON	29	27.0	146	27.6	23.1
79 ROCKINGHAM	16	18.6	99	23.0	20.8
80 ROWAN	25	22.2	127	23.0	18.8
81 RUTHERFORD	13	22.5	68	23.9	23.1
82 SAMPSON	12	24.8	82	34.3	28.0
83 SCOTLAND	11	32.1	54	31.8	27.9
84 STANLY	13	24.5	74	28.5	25.0
85 STOKES	7	18.3	47	25.2	29.8
86 SURRY	17	27.1	75	24.2	20.2
87 SWAIN	7	62.3	26	46.7	41.0
88 TRANSYLVANIA	15	57.0	35	27.1	25.9
89 TYRRELL	0	0.0	6	31.0	29.6
90 UNION	10	11.3	71	16.8	17.5
91 VANCE	10	25.6	58	29.8	22.3
92 WAKE	68	14.8	305	14.2	15.0
93 WARREN	8	45.9	33	38.2	21.3
94 WASHINGTON	3	21.4	16	22.8	17.3
95 WATAUGA	5	13.2	36	19.5	23.7
96 WAYNE	17	15.9	102	19.4	18.0
97 WILKES	15	24.8	56	18.7	18.9
98 WILSON	20	29.9	76	23.0	19.7
99 YADKIN	7	22.1	34	22.1	15.8
100 YANCEY	6	37.9	21	27.0	62.6

* SEE SECTION II

STATE CENTER FOR HEALTH AND ENVIRONMENTAL STATISTICS
DEPARTMENT OF ENVIRONMENT, HEALTH AND NATURAL RESOURCES

ALL OTHER UNINTENTIONAL INJURIES

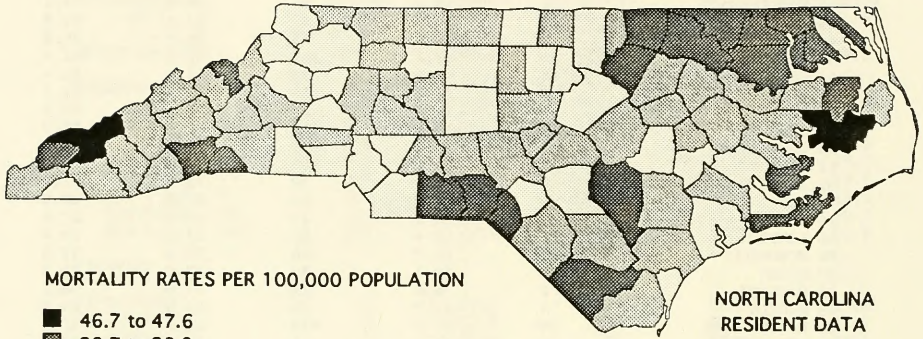


FIGURE 15.A

ALL OTHER UNINTENTIONAL INJURIES

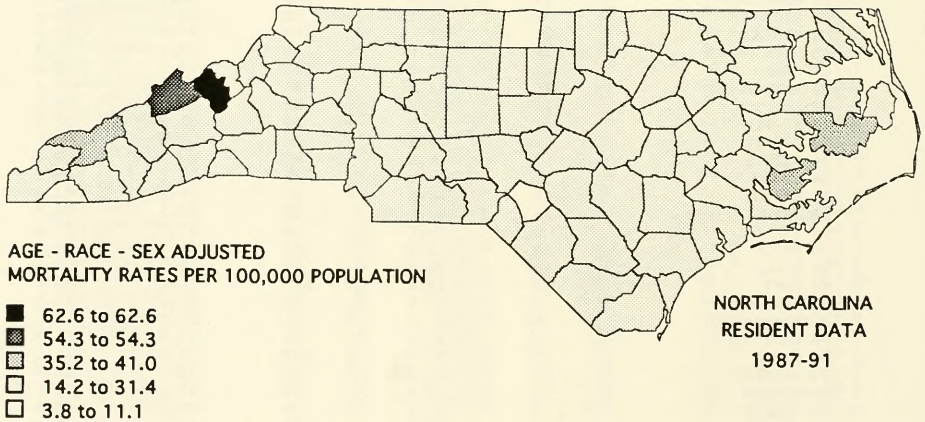


FIGURE 15.B

TABLE - 20
MORTALITY STATISTICS FOR 1992
NORTH CAROLINA RESIDENTS
SUICIDE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
NORTH CAROLINA	851	12.4	4275	12.8	12.2
REGIONS					
O.E.H.N.R. I	118	15.8	584	16.0	13.9
D.E.H.N.R. II	159	10.9	884	12.5	11.8
O.E.H.N.R. III	184	13.4	930	13.8	12.7
O.E.H.N.R. IV	158	11.6	778	11.9	12.0
D.E.H.N.R. V	77	10.3	405	11.0	11.7
D.E.H.N.R. VI	77	12.0	376	11.9	12.4
D.E.H.N.R. VII	78	15.5	318	12.9	12.1
COUNTIES					
1 ALAMANCE	11	10.0	64	11.8	11.1
2 ALEXANDER	5	17.8	26	18.8	20.8
3 ALLEGHANY	6	60.7	11	22.8	15.5
4 ANSON	4	17.0	22	18.6	23.3
5 ASHE	5	22.3	16	14.3	11.6
6 AVERY	2	13.3	12	16.1	11.4
7 BEAUFORT	4	9.3	31	14.6	16.6
8 BERTIE	4	19.5	14	13.7	20.1
9 BLADEN	7	24.4	22	15.2	15.3
10 BRUNSWICK	13	23.8	38	14.7	14.1
11 BUNCOMBE	37	20.5	134	15.3	13.4
12 BURKE	10	13.0	70	18.4	17.5
13 CABARRUS	12	11.5	63	12.7	11.2
14 CALDWELL	9	12.5	60	16.9	13.8
15 CAMDEN	0	0.0	5	17.0	14.3
16 CARTERET	8	14.5	44	16.6	13.4
17 CASHWELL	2	9.5	13	12.4	13.1
18 CATAWBA	18	14.8	89	15.0	13.9
19 CHATHAM	6	14.7	28	14.4	13.3
20 CHEROKEE	0	0.0	14	13.7	13.4
21 CHOWAN	1	7.2	6	8.8	7.6
22 CLAY	0	0.0	5	13.9	9.5
23 CLEVELAND	6	7.0	45	10.6	10.4
24 COLUMBUS	11	21.9	26	10.4	10.2
25 CRAVEN	16	19.1	50	12.2	12.3
26 CUMBERLAND	29	10.2	124	9.0	9.9
27 CURRITUCK	1	6.9	12	17.4	15.7
28 DARE	5	21.5	13	11.6	7.8
29 DAVISON	17	12.9	79	12.4	11.2
30 DAVIE	1	3.5	18	12.8	12.4
31 DUPLIN	8	19.5	28	13.9	15.6
32 DURHAM	22	11.7	107	11.7	12.4
33 EDGEcombe	5	8.8	30	10.5	13.4
34 FORSYTH	40	14.8	182	13.7	13.5
35 FRANKLIN	6	15.5	21	11.4	11.6
36 GASTON	18	10.2	125	14.2	13.5
37 GATES	2	20.9	10	21.3	21.3
38 GRAHAM	2	28.1	3	8.3	12.7
39 GRANVILLE	1	2.5	26	13.4	12.1
40 GREENE	0	0.0	6	7.7	7.6
41 GUILFORD	38	10.7	230	13.2	12.9

* SEE SECTION II

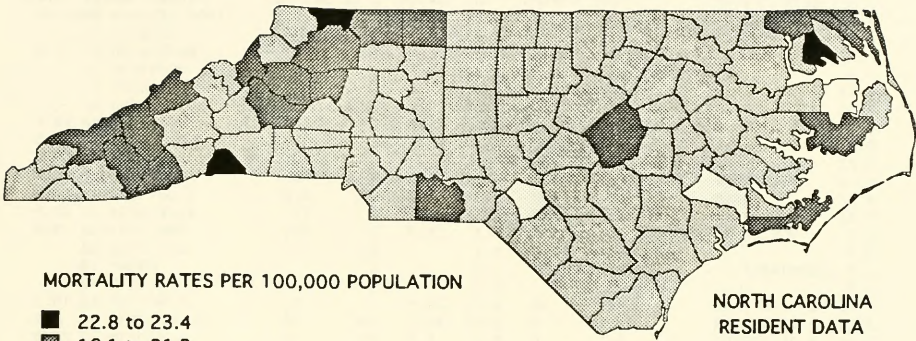
MORTALITY STATISTICS FOR 1992, NORTH CAROLINA RESIDENTS
SUICIDE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
42 HALIFAX	8	14.1	30	10.8	13.8
43 HARNETT	7	9.9	41	12.0	11.6
44 HAYWOOD	6	12.4	42	17.7	12.8
45 HENDERSON	16	22.1	54	15.5	11.4
46 HERTFORD	1	4.5	8	7.1	7.1
47 HOME	1	4.2	6	5.2	6.9
48 HYDE	0	0.0	5	18.3	17.7
49 IREDELL	10	10.3	70	14.9	13.5
50 JACKSON	3	10.9	24	17.7	17.8
51 JOHNSTON	13	15.0	73	17.8	15.9
52 JONES	0	0.0	2	4.3	5.1
53 LEE	4	9.3	20	9.6	9.7
54 LENOIR	9	15.4	37	12.8	13.8
55 LINCOLN	10	19.2	36	14.3	12.8
56 MCCOY	1	2.8	18	10.1	11.2
57 MACON	2	8.1	16	13.5	8.4
58 MADISON	5	29.0	17	20.0	15.0
59 MARTIN	3	11.7	17	13.4	14.2
60 MECKLENBURG	53	9.9	289	11.3	11.3
61 MITCHELL	2	13.8	11	15.3	11.1
62 MONTGOMERY	3	12.8	12	10.3	9.6
63 MOORE	8	13.0	41	13.8	12.8
64 NASH	13	16.4	50	13.1	12.8
65 NEW HANOVER	20	15.6	93	15.3	14.4
66 NORTHAMPTON	1	4.8	13	12.4	12.2
67 ONSLOW	15	10.4	71	9.6	11.7
68 ORANGE	13	13.0	62	13.1	13.1
69 PAMLICO	1	8.7	7	12.3	11.3
70 PASQUOTANK	0	0.0	17	10.9	11.9
71 PENDER	3	9.7	18	12.4	11.0
72 PERQUIMANS	0	0.0	12	23.0	23.6
73 PERSON	7	22.8	18	11.9	12.2
74 PITT	18	15.9	65	12.0	13.8
75 POLK	6	39.8	17	23.4	20.2
76 RANDOLPH	17	15.6	70	13.1	10.5
77 RICHMOND	4	8.8	27	12.1	12.8
78 ROBESON	10	9.3	58	11.0	13.5
79 ROCKINGHAM	14	16.2	58	13.5	12.7
80 ROWAN	9	8.0	63	11.4	11.0
81 RUTHERFORD	10	17.3	41	14.4	12.3
82 SAMPSON	3	6.2	35	14.6	14.0
83 SCOTLAND	1	2.9	17	10.0	10.4
84 STANLY	7	13.2	33	12.7	10.2
85 STOKES	10	26.2	37	19.8	15.7
86 SURRY	6	9.6	52	16.8	15.7
87 SWAIN	1	8.9	11	19.8	19.9
88 TRANSYLVANIA	0	0.0	23	17.8	17.6
89 TYRRELL	0	0.0	0	0.0	0.0
90 UNION	11	12.5	45	10.6	10.3
91 VANCE	5	12.8	26	13.4	15.8
92 WAKE	40	8.7	216	10.1	9.8
93 WARREN	2	11.5	12	13.9	19.8
94 WASHINGTON	0	0.0	9	12.8	10.8
95 WATAUGA	2	5.3	28	15.2	11.3
96 WAYNE	12	11.2	50	9.5	10.1
97 WILKES	8	13.2	53	17.7	14.5
98 WILSON	12	17.9	46	13.9	14.4
99 YADKIN	7	22.1	19	12.4	13.5
100 YANCEY	6	37.9	12	15.4	9.9

* SEE SECTION II

STATE CENTER FOR HEALTH AND ENVIRONMENTAL STATISTICS
DEPARTMENT OF ENVIRONMENT, HEALTH AND NATURAL RESOURCES

SUICIDE



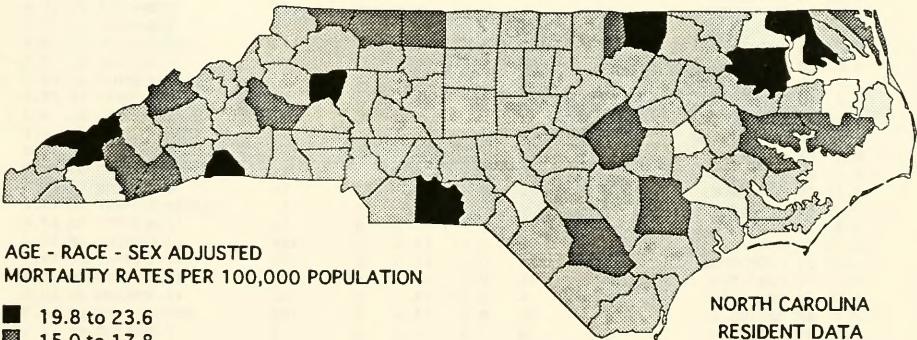
MORTALITY RATES PER 100,000 POPULATION

- 22.8 to 23.4
- 16.1 to 21.3
- 7.1 to 15.5
- 4.3 to 5.2
- 0.0 to 0.0

NORTH CAROLINA
RESIDENT DATA
1988-92

FIGURE 16.A

SUICIDE



AGE - RACE - SEX ADJUSTED
MORTALITY RATES PER 100,000 POPULATION

- 19.8 to 23.6
- 15.0 to 17.8
- 9.5 to 14.5
- 5.1 to 8.4
- 0.0 to 0.0

NORTH CAROLINA
RESIDENT DATA
1988-92

FIGURE 16.B

TABLE - 21
MORTALITY STATISTICS FOR 1992
NORTH CAROLINA RESIDENTS
HOMICIDE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
NORTH CAROLINA	814	11.9	3747	11.3	11.0
REGIONS					
D.E.H.N.R. I	42	5.6	272	7.4	10.1
D.E.H.N.R. II	218	15.0	916	13.0	14.5
D.E.H.N.R. III	136	9.9	632	9.4	10.3
D.E.H.N.R. IV	153	11.2	738	11.3	9.6
D.E.H.N.R. V	118	15.7	578	15.8	12.8
D.E.H.N.R. VI	87	13.5	376	11.9	10.4
D.E.H.N.R. VII	60	11.9	235	9.5	9.2
COUNTIES					
1 ALAMANCE	12	10.9	51	9.4	10.1
2 ALEXANDER	4	14.2	10	7.2	5.5
3 ALLEGHANY	0	0.0	3	6.2	26.9
4 ANSON	9	38.2	35	29.7	21.4
5 ASHE	3	13.4	6	5.4	5.1
6 AVERY	1	6.7	4	5.4	28.9
7 BEAUFORT	7	16.3	20	9.4	9.5
8 BERTIE	1	4.9	8	7.8	7.0
9 BLADEN	5	17.5	22	15.2	13.9
10 BRUNSWICK	5	9.2	29	11.2	12.0
11 BUNCOMBE	7	3.9	62	7.1	10.1
12 BURKE	5	6.5	36	9.5	11.0
13 CABARRUS	6	5.8	40	8.0	10.9
14 CALDWELL	5	7.0	41	11.5	17.1
15 CAMDEN	0	0.0	3	10.2	10.5
16 CARTERET	1	1.8	15	5.7	7.5
17 CASHIEL	1	4.8	4	3.8	3.0
18 CATAWBA	15	12.4	63	10.6	16.6
19 CHATHAM	3	7.4	17	8.7	10.4
20 CHEROKEE	3	14.5	7	6.9	5.0
21 CHOKAN	0	0.0	8	11.7	8.6
22 CLAY	0	0.0	0	0.0	0.0
23 CLEVELAND	19	22.1	73	17.2	18.3
24 COLUMBUS	11	21.9	52	20.8	18.8
25 CRAVEN	4	4.8	31	7.6	6.7
26 CUMBERLAND	38	13.4	210	15.3	12.2
27 CURRITUCK	0	0.0	3	4.3	6.8
28 DARE	3	12.9	7	6.2	12.0
29 DAVIDSON	13	9.8	56	8.8	12.0
30 DAVIE	4	13.9	14	10.0	13.2
31 DUPLIN	5	12.2	36	17.8	17.6
32 DURHAM	36	19.2	126	13.8	10.4
33 EDGEcombe	13	23.0	53	18.5	14.3
34 FORSYTH	36	13.3	150	11.3	10.7
35 FRANKLIN	6	15.5	22	11.9	10.8
36 GASTON	24	13.6	102	11.6	13.9
37 GATES	0	0.0	1	2.1	1.1
38 GRAHAM	0	0.0	3	8.3	7.1
39 GRANVILLE	4	10.1	27	13.9	10.4
40 GREENE	1	6.3	10	12.9	11.5
41 GUILFORD	36	10.2	195	11.2	10.0

* SEE SECTION II

MORTALITY STATISTICS FOR 1992, NORTH CAROLINA RESIDENTS
HOMICIDE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
42 HALIFAX	8	14.1	37	13.3	8.8
43 HARNETT	8	11.3	49	14.3	13.9
44 HAYWOOD	2	4.1	16	6.7	5.4
45 HENDERSON	10	13.8	26	7.5	12.8
46 HERTFORD	6	26.9	14	12.4	4.8
47 HOKE	7	29.7	24	20.9	17.9
48 HYDE	3	55.8	6	22.0	24.5
49 IREDELL	13	13.4	53	11.3	13.4
50 JACKSON	1	3.6	8	5.9	5.8
51 JOHNSTON	13	15.0	57	13.9	15.1
52 JONES	3	31.7	10	21.3	20.0
53 LEE	11	25.5	36	17.3	18.6
54 LENOIR	9	15.4	51	17.7	15.7
55 LINCOLN	2	3.8	14	5.6	7.9
56 MCDOWELL	0	0.0	12	6.7	7.3
57 MACON	2	8.1	6	5.1	7.1
58 MADISON	0	0.0	4	4.7	3.6
59 MARTIN	4	15.5	19	15.0	10.9
60 MECKLENBURG	103	19.2	451	17.6	15.6
61 MITCHELL	0	0.0	2	2.8	2.5
62 MONTGOMERY	2	8.5	14	12.0	10.9
63 MOORE	5	8.1	28	9.4	11.3
64 NASH	7	8.8	58	15.2	14.0
65 NEW HANOVER	18	14.1	42	6.9	7.9
66 NORTHAMPTON	1	4.8	11	10.5	8.6
67 ONSLOW	17	11.8	48	6.5	5.3
68 ORANGE	6	6.0	36	7.6	7.7
69 PAMLICO	1	8.7	3	5.3	5.6
70 PASQUOTANK	4	12.5	18	11.5	11.6
71 PENDER	3	9.7	13	9.0	9.2
72 PERQUIMANS	4	38.3	8	15.4	17.2
73 PERSON	3	9.8	14	9.2	8.4
74 PITT	21	18.6	73	13.5	11.8
75 POLK	1	6.6	5	6.9	10.9
76 RANDOLPH	10	9.2	44	8.3	12.2
77 RICHMOND	6	13.3	43	19.2	18.1
78 ROBESON	27	25.2	101	19.1	13.8
79 ROCKINGHAM	9	10.4	46	10.7	10.9
80 ROWAN	15	13.3	49	8.9	10.0
81 RUTHERFORD	3	5.2	24	8.4	9.1
82 SAMPSON	8	16.6	27	11.3	9.2
83 SCOTLAND	3	8.7	25	14.7	11.0
84 STANLY	4	7.5	17	6.5	8.3
85 STOKES	2	5.2	7	3.8	2.8
86 SURRY	3	4.8	19	6.1	9.0
87 SHAIN	1	8.9	6	10.8	11.3
88 TRANSYLVANIA	1	3.8	9	7.0	14.6
89 TYRRELL	0	0.0	1	5.2	3.5
90 UNION	13	14.7	44	10.4	11.9
91 VANCE	5	12.8	31	16.0	13.6
92 WAKE	23	5.0	136	6.3	5.7
93 WARREN	3	17.2	14	16.2	9.1
94 WASHINGTON	0	0.0	3	4.3	2.5
95 WATAUGA	2	5.3	9	4.9	8.5
96 WAYNE	16	14.9	79	15.1	13.0
97 WILKES	5	8.3	25	8.3	8.4
98 WILSON	11	16.5	63	19.0	15.1
99 YADKIN	0	0.0	3	2.0	1.6
100 YANCEY	0	0.0	1	1.3	1.4

* SEE SECTION II

STATE CENTER FOR HEALTH AND ENVIRONMENTAL STATISTICS
DEPARTMENT OF ENVIRONMENT, HEALTH AND NATURAL RESOURCES

HOMICIDE

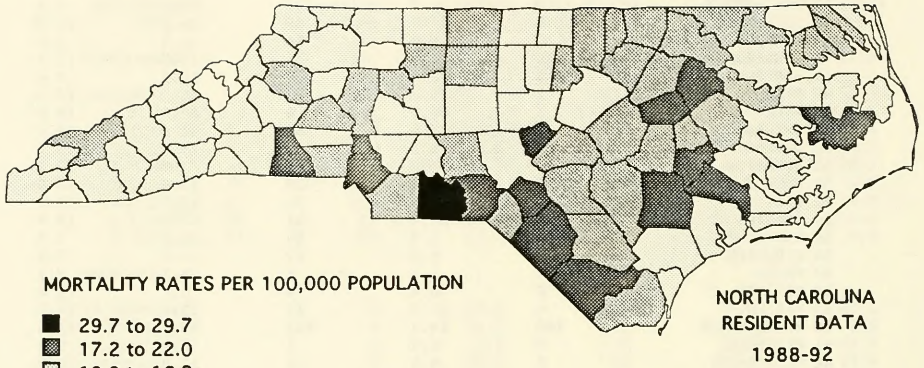


FIGURE 17.A

HOMICIDE

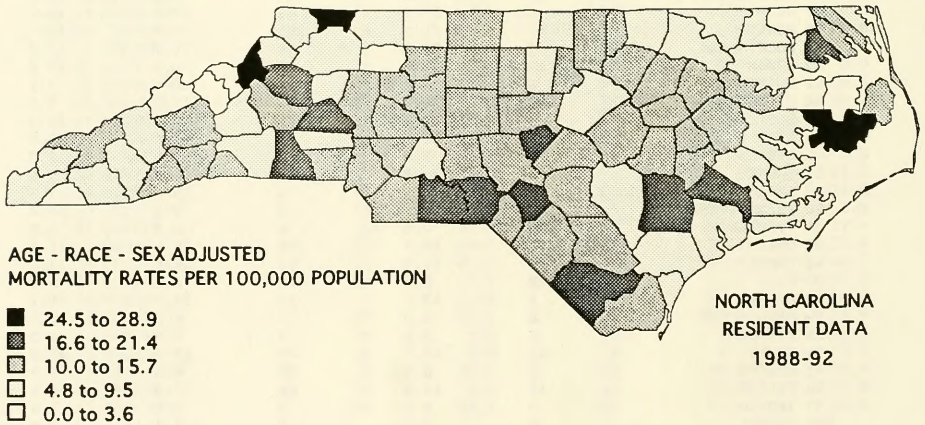


FIGURE 17.B

TABLE - 22

MORTALITY STATISTICS FOR 1992

NORTH CAROLINA RESIDENTS

INFANT DEATHS (PER 1000 LIVE BIRTHS)

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
NORTH CAROLINA	1031	9.9	5651	11.1	0.0
REGIONS					
D.E.H.N.R. I	84	9.1	478	10.2	0.0
D.E.H.N.R. II	201	9.1	1151	10.4	0.0
D.E.H.N.R. III	182	9.6	1027	10.9	0.0
D.E.H.N.R. IV	196	9.4	1100	10.8	0.0
D.E.H.N.R. V	175	12.3	833	12.6	0.0
D.E.H.N.R. VI	122	12.3	631	12.8	0.0
D.E.H.N.R. VII	71	8.2	431	10.4	0.0
COUNTIES					
1 ALAMANCE	16	10.8	81	10.7	0.0
2 ALEXANDER	2	5.8	15	8.7	0.0
3 ALLEGHANY	0	0.0	4	7.8	0.0
4 ANSON	8	21.4	30	15.6	0.0
5 ASHE	2	8.0	18	15.3	0.0
6 AVERY	1	4.9	8	8.2	0.0
7 BEAUFORT	3	4.9	28	9.2	0.0
8 BERTIE	4	12.9	19	12.4	0.0
9 BLADEN	7	18.2	27	12.9	0.0
10 BRUNSWICK	3	4.2	28	7.9	0.0
11 BUNCOMBE	12	5.1	102	8.6	0.0
12 BURKE	7	7.3	54	10.8	0.0
13 CABARRUS	13	9.0	64	8.9	0.0
14 CALDWELL	8	7.8	74	14.7	0.0
15 CAMDEN	0	0.0	4	10.8	0.0
16 CARTERET	7	10.0	36	10.4	0.0
17 CASHELL	2	7.6	16	11.8	0.0
18 CATAWBA	15	8.4	87	9.9	0.0
19 CHATHAM	1	1.8	22	7.7	0.0
20 CHEROKEE	2	8.5	8	7.1	0.0
21 CHOWAN	3	14.2	10	10.3	0.0
22 CLAY	0	0.0	0	0.0	0.0
23 CLEVELAND	15	11.3	76	11.3	0.0
24 COLUMBUS	5	6.9	49	13.1	0.0
25 CRAVEN	23	13.4	92	11.4	0.0
26 CUMBERLAND	71	10.9	335	11.7	0.0
27 CURRITUCK	4	21.7	14	14.2	0.0
28 DARE	3	9.9	14	8.6	0.0
29 DAVIDSON	14	7.8	82	9.3	0.0
30 DAVIE	5	13.6	12	6.9	0.0
31 DUPLIN	13	21.0	42	13.5	0.0
32 DURHAM	28	9.0	168	11.1	0.0
33 EDGECOMBE	12	13.0	62	13.0	0.0
34 FORSYTH	45	11.2	264	13.2	0.0
35 FRANKLIN	10	18.5	43	16.3	0.0
36 GASTON	25	9.3	150	10.8	0.0
37 GATES	1	7.3	6	9.3	0.0
38 GRAHAM	2	21.7	9	18.7	0.0
39 GRANVILLE	6	10.4	34	12.1	0.0
40 GREENE	2	9.2	18	17.9	0.0
41 GUILFORD	56	10.8	300	11.6	0.0

* SEE SECTION II

MORTALITY STATISTICS FOR 1992, NORTH CAROLINA RESIDENTS
 INFANT DEATHS(PER 1000 LIVE BIRTHS) CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1992	DEATH RATE* 1992	NUMBER OF DEATHS 1988-92	DEATH RATE* 1988-92	ADJUSTED DEATH RATE* 1988-92
42 HALIFAX	17	18.7	83	17.9	0.0
43 HARNETT	13	9.5	72	11.8	0.0
44 HAYWOOD	3	5.7	25	9.1	0.0
45 HENDERSON	5	6.2	37	9.0	0.0
46 HERTFORD	7	21.1	29	16.2	0.0
47 HOKE	12	25.7	33	15.6	0.0
48 HYDE	0	0.0	3	8.2	0.0
49 IREDELL	7	4.9	71	10.2	0.0
50 JACKSON	3	10.1	13	8.4	0.0
51 JOHNSTON	9	6.4	55	8.5	0.0
52 JONES	0	0.0	10	14.2	0.0
53 LEE	10	14.7	42	12.7	0.0
54 LENOIR	11	12.8	57	13.5	0.0
55 LINCOLN	2	2.7	22	6.0	0.0
56 MCCOY	4	8.8	18	7.6	0.0
57 MACON	3	11.5	8	6.5	0.0
58 MADISON	1	5.3	9	9.4	0.0
59 MARTIN	8	20.0	26	13.9	0.0
60 MECKLENBURG	88	10.1	489	11.2	0.0
61 MITCHELL	2	12.5	5	5.6	0.0
62 MONTGOMERY	5	13.1	25	13.8	0.0
63 MOORE	9	11.8	47	12.2	0.0
64 NASH	13	10.4	64	10.5	0.0
65 NEW HANOVER	17	9.4	77	8.9	0.0
66 NORTHAMPTON	1	3.4	21	13.6	0.0
67 ONSLOW	23	6.3	181	10.8	0.0
68 ORANGE	10	8.6	52	9.0	0.0
69 PAMLICO	0	0.0	7	10.2	0.0
70 PASQUOTANK	9	18.6	30	12.1	0.0
71 PENDER	3	6.8	18	8.5	0.0
72 PERQUIMANS	2	15.3	10	14.5	0.0
73 PERSON	1	2.4	20	9.2	0.0
74 PITT	24	13.7	142	16.7	0.0
75 POLK	2	12.1	10	12.5	0.0
76 RANDOLPH	13	8.7	70	9.3	0.0
77 RICHMOND	7	10.3	47	13.8	0.0
78 ROBESON	24	12.1	124	12.9	0.0
79 ROCKINGHAM	13	11.5	51	8.7	0.0
80 ROMAN	16	10.5	82	10.8	0.0
81 RUTHERFORD	16	19.9	61	14.9	0.0
82 SAMPSON	8	11.4	45	13.1	0.0
83 SCOTLAND	11	19.0	48	16.7	0.0
84 STANLY	6	8.1	30	8.1	0.0
85 STOKES	3	6.5	18	7.8	0.0
86 SURRY	7	8.3	40	9.6	0.0
87 SWAIN	5	28.2	15	15.9	0.0
88 TRANSYLVANIA	4	13.1	11	7.4	0.0
89 TYRRELL	1	20.0	3	11.9	0.0
90 UNION	12	8.5	65	9.2	0.0
91 VANCE	3	4.5	36	10.6	0.0
92 WAKE	63	8.8	342	10.0	0.0
93 WARREN	4	18.3	16	13.9	0.0
94 WASHINGTON	3	14.9	23	20.8	0.0
95 WATAUGA	1	2.9	10	5.6	0.0
96 WAYNE	14	8.6	86	10.4	0.0
97 WILKES	4	5.2	50	13.4	0.0
98 WILSON	8	8.4	40	8.1	0.0
99 YADKIN	1	2.5	11	5.8	0.0
100 YANCEY	4	20.6	11	11.6	0.0

* SEE SECTION II

STATE CENTER FOR HEALTH AND ENVIRONMENTAL STATISTICS
 DEPARTMENT OF ENVIRONMENT, HEALTH AND NATURAL RESOURCES

INFANT DEATHS

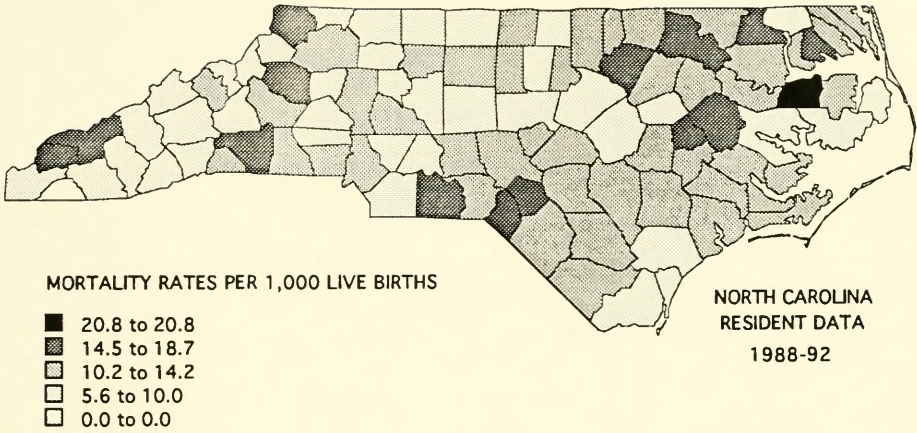


FIGURE 18

**V. TABLES AND FIGURES:
MULTIPLE CONDITIONS
PRESENT AT DEATH
1988-92**

TABLE 23
DEATHS BY SELECTED UNDERLYING CAUSE WITH FREQUENCY OF MENTIONED
CONDITIONS, NORTH CAROLINA RESIDENTS, 1992

Underlying Cause of Death	Total Under-lying*	Conditions Mentioned on Death Certificate (Numbers Refer to Row Titles)														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1 Diseases of heart	18,961	18,959	1,843	6,520	804	16	13	106	4	9	12	135	6	91	2	10
2 Cerebrovascular disease	4,568	1,252	4,568	1,089	145	1	4	22	0	4	3	20	0	30	1	0
3 Atherosclerosis	389	220	0	389	20	0	1	3	0	1	1	0	0	4	1	0
4 Cancer	13,925	2,333	354	387	13,925	242	352	1,448	217	758	113	4,110	208	1,156	155	309
5 Lip	233	36	6	3	233	233	0	0	0	0	1	1	0	0	0	0
6 Stomach	342	47	3	7	342	0	342	1	0	0	0	1	0	0	1	0
7 Colon, rectum, rectosigmoid junction and anus	1,410	239	43	53	1,410	1	0	1,410	2	1	1	5	1	8	1	0
8 Liver	210	26	3	5	210	0	0	0	210	0	0	2	0	1	0	0
9 Pancreas	754	109	20	17	754	0	2	1	0	754	0	2	0	0	0	0
10 Larynx	103	11	1	4	103	0	0	0	0	0	103	1	0	0	0	0
11 Trachea, bronchus and lung	4,079	657	82	111	4,079	4	0	14	3	0	7	4,079	2	7	6	0
12 Malignant melanoma	201	27	7	5	201	0	1	1	0	0	0	0	201	1	0	0
13 Female breast	1,127	146	17	23	1,127	0	0	4	0	2	0	4	0	1,127	1	0
14 Cervix uteri	145	33	1	2	145	0	0	0	0	0	0	1	0	1	145	0
15 Ovary and other uterine adnexa	308	51	8	2	308	0	0	1	0	0	0	0	0	3	0	308
16 Prostate	978	210	36	48	978	0	1	6	0	0	0	3	1	0	0	0
17 Bladder	236	56	7	17	236	0	1	1	0	0	1	2	0	1	0	0
18 Brain tumors	352	41	19	5	325	0	0	0	0	0	0	0	1	1	0	0
19 Non-Hodgkins lymphoma	506	99	16	10	506	0	0	3	1	0	0	1	0	2	0	0
20 Leukemia	465	89	18	9	465	1	0	0	0	0	0	2	1	0	0	1
21 Diabetes Mellitus	1,426	930	270	375	48	0	0	8	0	0	1	5	1	8	0	0
22 Pneumonia and Influenza	1,914	612	220	189	100	0	1	7	0	1	1	21	0	9	2	0
23 Chronic obstructive pulmonary disease and allied conditions	2,400	1,019	108	180	173	2	1	10	1	1	1	71	0	14	2	0
24 Chronic liver disease and cirrhosis	730	128	6	14	22	0	0	3	3	0	1	4	0	1	0	0
25 Septicemia	562	213	64	39	31	1	0	2	3	1	1	3	0	7	0	0
26 Nephritis, nephrotic syndrome and nephrosis	546	301	45	60	20	1	0	4	0	0	0	4	0	2	0	0
27 Motor vehicle injuries—unintentional injuries	1,308	50	3	3	2	1	0	0	0	0	0	0	0	0	0	0
28 All other unintentional injuries and adverse effects	1,394	297	37	48	27	1	0	5	0	3	0	2	1	2	0	0
29 Suicide	851	30	3	2	20	0	0	1	1	1	1	5	0	0	0	1
30 Homicide	814	14	3	1	1	0	0	0	0	0	0	1	0	0	0	0

TOTAL DEATHS** 59,512 29,033 8,112 10,037 15,669 273 374 1,659 233 784 139 4,421 218 1,371 165 326

TABLE 23 — continued
DEATHS BY SELECTED UNDERLYING CAUSE WITH FREQUENCY OF MENTIONED
CONDITIONS, NORTH CAROLINA RESIDENTS, 1992

Underlying Cause of Death	Conditions Mentioned on Death Certificate (Numbers Refer to Row Titles)																Hyper- tension
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Alcohol	
1 Diseases of heart	161	33	7	37	35	1,882	704	1,538	94	234	917	10	494	0	4	213	2,650
2 Cerebrovascular disease	27	5	1	2	10	369	366	169	18	138	104	1	196	2	1	34	854
3 Atherosclerosis	4	2	0	1	0	17	17	26	4	13	50	0	9	0	0	0	0
4 Cancer	1,040	247	330	522	489	486	630	804	51	444	431	1	283	1	0	47	375
5 Lip	0	0	1	0	1	6	7	17	1	6	5	0	11	0	0	8	5
6 Stomach	2	1	0	2	1	8	8	10	1	6	3	0	6	0	0	0	10
7 Colon, rectum, sigmoid junction and anus	6	1	1	1	0	48	31	23	2	28	42	0	26	0	0	2	40
8 Liver	1	0	0	0	0	12	3	8	18	7	4	0	1	0	0	4	4
9 Pancreas	6	1	2	2	3	57	16	25	3	25	12	0	8	0	0	3	23
10 Larynx	0	0	0	0	0	6	5	8	1	5	1	0	6	0	0	3	1
11 Trachea, bronchus and lung	15	4	1	3	6	111	271	537	10	65	46	0	72	0	0	13	103
12 Malignant melanoma	2	0	0	0	0	1	4	6	0	2	0	0	4	0	0	0	3
13 Female breast	0	0	0	0	0	0	0	0	0	17	18	0	14	0	0	0	28
14 Cervix uteri	0	0	0	0	0	0	1	5	0	7	10	0	2	1	0	0	7
15 Ovary and other uterine adnexa	978	0	0	0	2	34	37	53	1	22	77	0	13	0	0	1	30
16 Prostate	8	236	0	0	3	12	6	9	0	15	28	1	2	0	0	0	9
17 Bladder	0	0	325	1	0	15	10	3	1	6	2	0	10	0	0	1	13
18 Brain tumors	4	0	0	506	6	14	37	7	1	41	25	0	18	0	0	0	7
19 Non-Hodgkins lymphoma	7	0	0	3	465	13	41	15	2	84	17	0	23	0	0	0	9
20 Leukemia	10	1	1	0	2	1,426	79	54	18	128	253	0	42	0	0	11	307
21 Diabetes Mellitus	28	4	0	2	7	122	1,914	174	12	228	119	1	24	1	0	33	71
22 Pneumonia and Influenza	27	6	1	8	7	95	426	2,400	10	67	85	2	73	0	0	22	100
23 Chronic obstructive pulmonary disease and allied conditions	1	1	0	1	1	36	44	29	718	58	85	1	13	0	2	405	16
24 Chronic liver disease and cirrhosis	5	1	0	0	1	46	49	20	4	562	68	0	14	0	0	4	18
25 Septicemia	1	0	0	2	3	30	39	30	5	49	546	2	18	0	0	5	14
26 Nephritis, nephrotic syndrome and nephrosis	0	0	0	0	1	5	4	1	4	17	6,138	5	0	0	0	98	2
27 Motor vehicle injuries—unintentional	5	0	0	0	1	38	29	41	14	59	37	0	1,394	0	0	119	44
28 All other unintentional injuries and adverse effects	4	0	2	1	1	2	2	2	3	0	2	0	6	851	0	49	3
29 Suicide	0	0	0	0	0	0	1	0	2	4	0	1	4	0	814	25	1
30 Homicide	1,357	313	349	600	583	4,958	5,005	5,760	1,048	3,002	3,337	1,331	3,222	860	822	1,433	5,171

TOTAL DEATHS**

*Numbers shown here are the final underlying frequencies. They are sometimes larger than numbers shown on the diagonal due to the fact that a sequence of conditions may imply an underlying cause that is not specifically mentioned on the death certificate.
 **Differences between these totals and the summation over causes are attributable to causes not given in the table.
 Note: In this table, a death is counted only once in a condition category although several conditions within the category may have been reported or a single condition may have been recorded more than once on the death certificate. Also, the ICD-9 codes used to count hypertension and atherosclerosis mentions are different from the codes used to count underlying cause. For further explanation, see *Multiple Conditions Present at Death: A Special Study*, SCHS, 1992.

TABLE 24
NUMBER OF DEATHS WITH SELECTED PAIRS OF CONDITIONS MENTIONED
TOGETHER, NORTH CAROLINA RESIDENTS, 1992

	Conditions Mentioned on Death Certificate														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1 Diseases of heart	29,033	3,738	8,812	3,431	56	63	387	31	126	28	847	36	286	40	63
2 Cerebrovascular disease	3,738	8,112	2,356	597	7	7	83	3	25	7	114	10	59	2	10
3 Atherosclerosis	8,812	2,356	10,037	799	9	13	110	6	18	14	166	7	86	5	5
4 Cancer	3,431	597	799	15,669	273	374	1,659	233	784	139	4,421	218	1,371	165	326
5 Lip	56	7	9	273	273	0	1	0	0	1	6	0	0	0	0
6 Stomach	63	7	13	374	0	374	1	0	2	0	1	1	0	1	0
7 Colon, rectum, rectosigmoid junction and anus	387	83	110	1,659	1	1	1,659	3	4	2	19	3	18	1	1
8 Liver	31	3	6	233	0	0	3	233	0	0	6	0	1	0	0
9 Pancreas	126	25	18	784	0	2	4	0	784	0	2	0	2	0	0
10 Larynx	28	7	14	139	1	0	2	0	0	139	10	0	1	0	0
11 Trachea, bronchus and lung	847	114	166	4,421	6	1	19	6	2	10	4,421	2	13	7	1
12 Malignant melanoma	36	10	7	218	0	1	3	0	0	0	2	218	1	0	0
13 Female breast	286	59	86	1,371	0	0	18	1	2	1	13	1	1,371	2	4
14 Cervix uteri	40	2	5	165	0	1	1	0	0	0	7	0	2	165	0
15 Ovary and other uterine adnexa	63	10	5	326	0	0	1	0	0	0	1	0	4	0	326
16 Prostate	442	93	153	1,357	0	6	16	1	6	2	21	5	0	0	0
17 Bladder	102	19	40	313	0	2	3	0	2	1	7	0	2	0	0
18 Brain tumors	40	17	6	349	1	0	1	0	2	0	2	1	2	0	0
19 Non-Hodgkins lymphoma	153	21	26	600	0	2	4	1	2	0	4	0	5	0	0
20 Leukemia	145	34	27	583	2	1	0	0	3	0	8	1	3	0	1
21 Diabetes Mellitus	3,467	1,006	1,443	653	6	9	76	14	59	7	136	2	79	1	7
22 Pneumonia and Influenza	1,984	817	695	845	11	10	52	4	19	9	314	4	48	6	2
23 Chronic obstructive pulmonary disease and allied conditions	3,279	467	1,079	1,152	26	12	54	11	27	13	646	7	40	5	5
24 Chronic liver disease and cirrhosis	275	32	55	81	3	1	5	22	3	2	16	0	3	0	0
25 Septicemia	1,016	376	290	565	11	8	44	12	28	8	87	2	36	8	7
26 Nephritis, nephrotic syndrome and nephrosis	1,915	322	636	537	10	4	60	6	14	4	64	0	34	23	10
27 Motor vehicle injuries—unintentional injuries	64	6	8	3	1	0	0	0	0	0	0	0	0	0	2
28 All other unintentional injuries and adverse effects	1,159	373	368	381	15	9	41	3	13	7	86	5	29	7	3
29 Suicide	31	5	2	21	0	0	1	1	1	1	5	0	0	0	2
30 Homicide	18	4	3	1	0	0	0	0	0	1	0	0	0	0	0
31 Alcohol-related conditions	421	66	81	69	11	0	4	7	3	4	14	0	1	1	1
32 Hypertension with or without renal disease	3,747	1,505	1,218	550	5	13	63	5	23	5	128	4	70	4	9
TOTAL DEATHS*	29,033	8,112	10,037	15,669	273	374	1,659	233	784	139	4,421	218	1,371	165	326

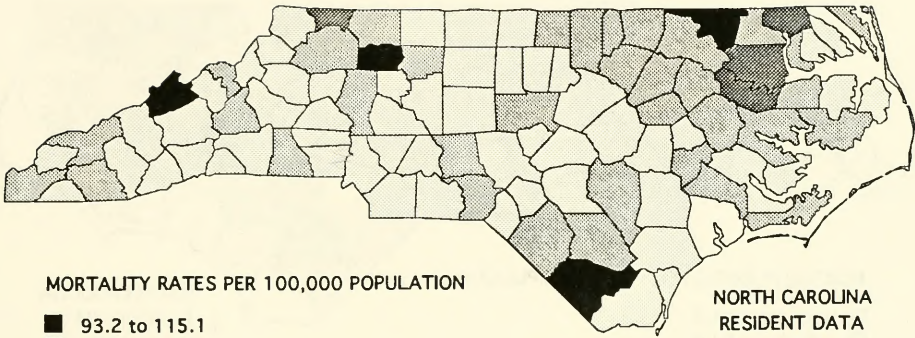
TABLE 24 — continued
NUMBER OF DEATHS WITH SELECTED PAIRS OF CONDITIONS MENTIONED
TOGETHER, NORTH CAROLINA RESIDENTS, 1990

Conditions Mentioned on Death Certificate																		Conditions Mentioned on Death Certificate (Numbers Refer to Row Titles)									
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32											
1 Diseases of heart	442	102	40	153	145	3,467	1,984	3,279	275	1,016	1,915	64	1,159	31	18	421	3,747										
2 Cerebrovascular disease	93	19	17	21	34	1,006	817	467	32	376	322	6	373	5	4	66	1,505										
3 Atherosclerosis	153	40	6	26	27	1,443	695	1,079	55	290	636	8	368	2	3	81	1,218										
4 Cancer	1,357	313	349	600	583	653	845	1,152	81	565	537	3	381	21	1	69	550										
5 Lip	0	0	1	0	2	6	11	26	3	11	10	1	15	0	0	11	5										
6 Stomach	6	2	0	2	1	9	10	12	1	8	4	0	9	0	0	0	13										
7 Colon, rectum, rectosigmoid junction and anus	16	3	1	4	0	76	52	54	5	44	60	0	41	1	0	4	63										
8 Liver	1	0	0	1	0	14	4	11	22	12	6	0	3	1	0	7	5										
9 Pancreas	6	2	2	3	59	19	27	3	28	14	0	13	1	0	3	23											
10 Larynx	2	1	0	0	0	7	9	13	2	8	4	0	7	1	0	4	5										
11 Trachea, bronchus and lung	21	7	2	4	8	136	314	646	16	87	64	0	86	5	1	14	128										
12 Malignant melanoma	5	0	1	0	1	2	4	7	0	2	0	0	5	0	0	0	4										
13 Female breast	0	2	2	5	3	79	48	40	3	36	34	0	29	0	0	1	70										
14 Cervix uteri	0	0	0	0	0	1	6	5	0	8	23	0	7	0	0	1	4										
15 Ovary and other uterine adnexa	0	0	0	0	1	7	2	5	0	7	10	0	3	2	0	1	9										
16 Prostate	1,357	12	0	6	10	60	98	118	3	38	95	0	31	4	0	7	64										
17 Bladder	12	313	0	1	3	17	13	26	2	18	32	1	5	0	0	1	20										
18 Brain tumors	0	0	349	1	0	14	10	4	1	5	3	0	10	2	0	2	11										
19 Non-Hodgkins lymphoma	6	1	1	600	9	21	44	21	2	48	29	0	22	1	0	0	12										
20 Leukemia	10	3	0	9	583	23	56	30	3	92	26	1	31	1	0	1	17										
21 Diabetes Mellitus	60	17	14	21	23	4,958	382	382	90	326	505	9	183	2	2	49	1,246										
22 Pneumonia and Influenza	98	13	10	44	56	382	5,005	831	70	553	364	5	185	3	1	107	249										
23 Chronic obstructive pulmonary disease and allied conditions	118	26	4	21	30	382	831	5,760	66	203	297	3	218	2	0	113	456										
24 Chronic liver disease and cirrhosis	3	2	1	2	3	90	70	66	1,048	90	121	5	39	3	4	465	37										
25 Septicemia	38	18	5	48	92	326	553	203	90	3,002	377	17	233	0	4	85	140										
26 Nephritis, nephrotic syndrome and nephrosis	95	32	3	29	26	505	364	297	121	377	3,337	9	170	2	0	87	88										
27 Motor vehicle injuries—unintentional injuries	0	1	0	0	1	9	5	3	5	17	9,133	5	0	1	1	99	5										
28 All other unintentional injuries and adverse effects	31	5	10	22	31	183	185	218	39	233	170	5,322	6	5	166	174											
29 Suicide	4	0	2	1	1	2	3	2	3	0	2	0	6	860	0	49	3										
30 Homicide	0	0	0	0	0	2	1	0	4	4	0	1	5	0	822	28	2										
31 Alcohol-related conditions	7	1	2	0	1	49	107	113	465	85	87	99	166	49	28	1,433	86										
32 Hypertension with or without renal disease	64	20	11	12	17	1,246	249	456	37	140	88	5	174	3	2	86	5,171										
TOTAL DEATHS*	1,357	313	349	600	583	4,958	5,005	5,760	1,048	3,002	3,337	3,331	3,222	860	822	1,433	5,171										

*Differences between these totals and the summation over causes are attributable to causes not given in the table and to multiple counting of a condition if it appears in combination with more than one other condition on a certificate.

Note: In this table, a death is counted only once in a condition category although several conditions within the category may have been reported or a single condition may have been recorded more than once on the death certificate. Also, the ICD-9 codes used to count hypertension and atherosclerosis mentions are different from the codes used to count underlying cause elsewhere in this report. For further explanation, see *Multiple Conditions Present at Death: A Special Study*, SCHS, 1982.

SEPTICEMIA - MENTIONED



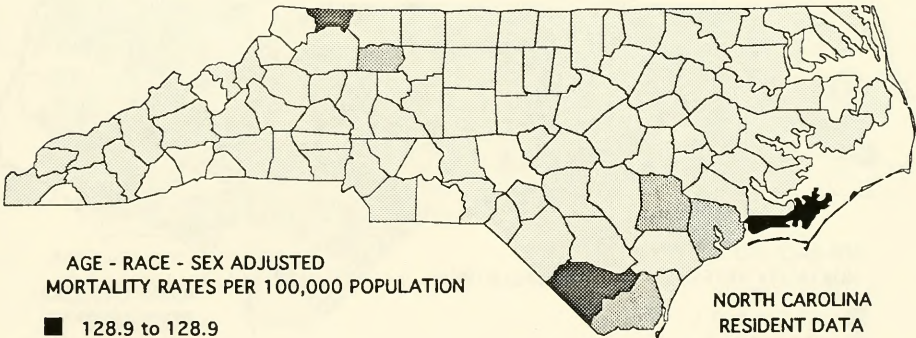
MORTALITY RATES PER 100,000 POPULATION

- 93.2 to 115.1
- ▨ 75.4 to 81.2
- ▧ 51.8 to 69.5
- ▩ 24.4 to 50.6
- 17.0 to 17.2

NORTH CAROLINA
RESIDENT DATA
1988-92

FIGURE 19.A

SEPTICEMIA - MENTIONED



AGE - RACE - SEX ADJUSTED
MORTALITY RATES PER 100,000 POPULATION

- 128.9 to 128.9
- ▨ 95.8 to 104.5
- ▧ 68.3 to 81.5
- ▩ 29.1 to 60.5
- 12.6 to 26.0

NORTH CAROLINA
RESIDENT DATA
1988-92

FIGURE 19.B

DIABETES MELLITUS - MENTIONED

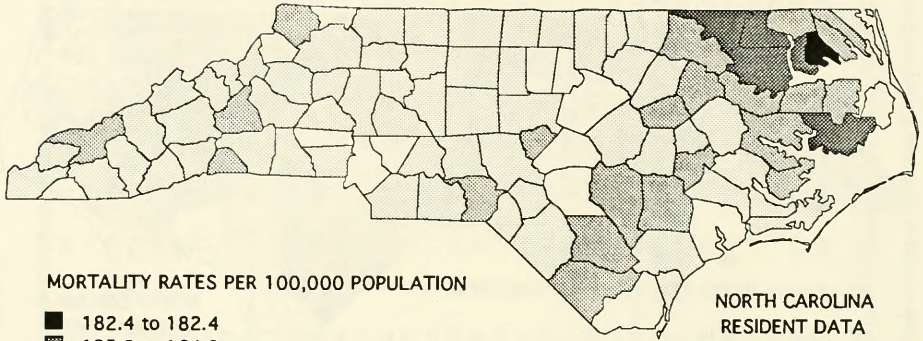


FIGURE 20.A

DIABETES MELLITUS - MENTIONED

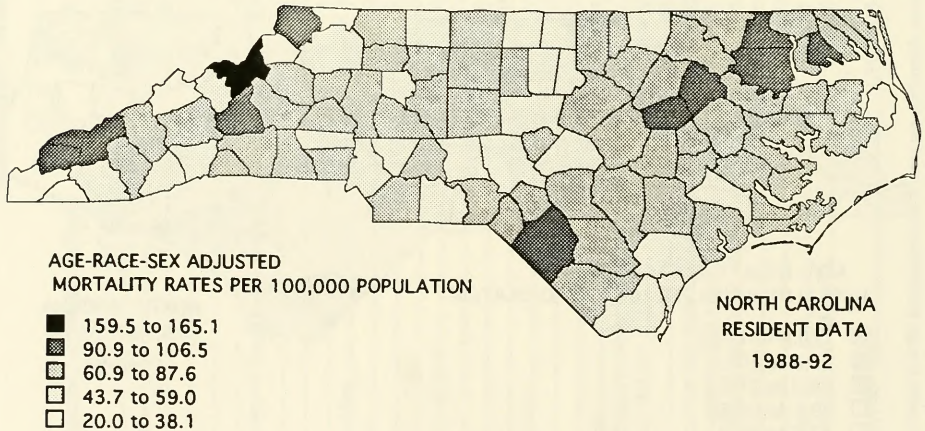


FIGURE 20.B

HYPERTENSION - MENTIONED

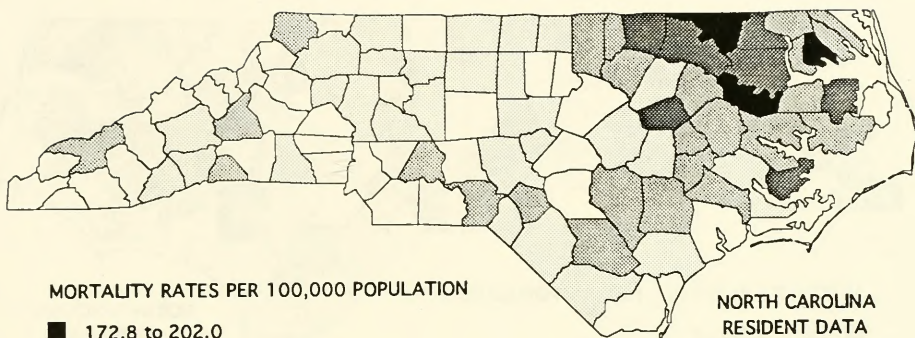


FIGURE 21.A

HYPERTENSION - MENTIONED

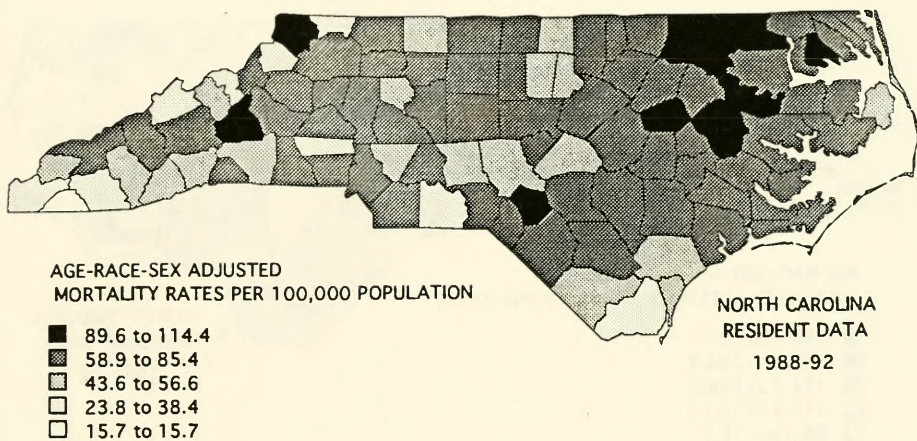


FIGURE 21.B

ATHEROSCLEROSIS - MENTIONED

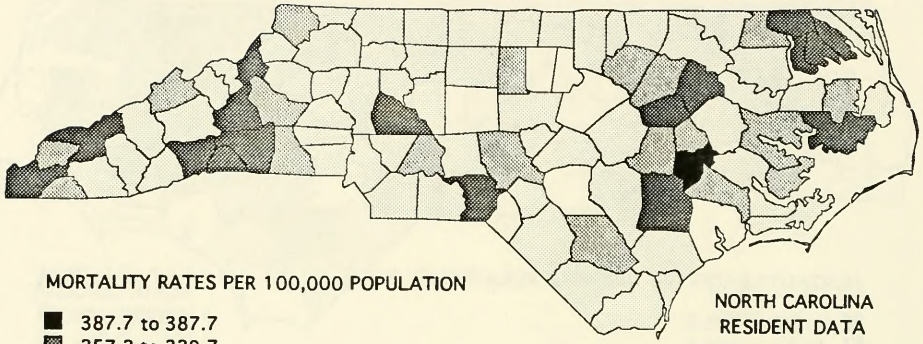


FIGURE 22.A

ATHEROSCLEROSIS - MENTIONED

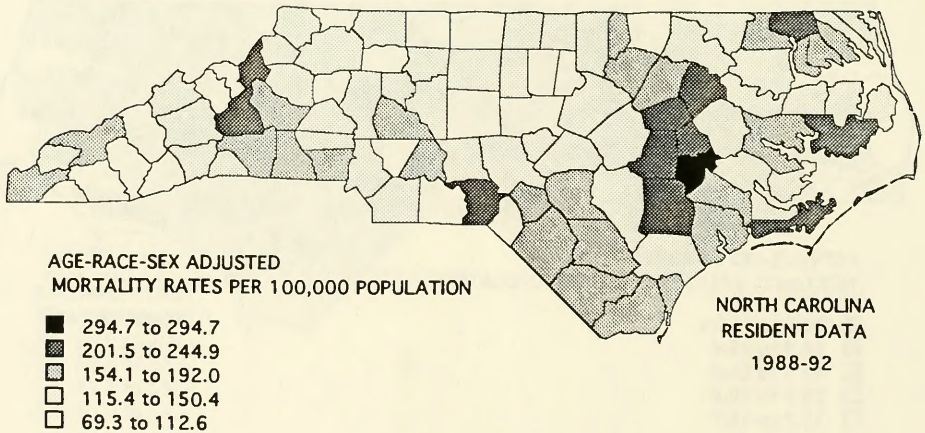


FIGURE 22.B

NEPHRITIS, NEPHROTIC SYNDROME* - MENTIONED

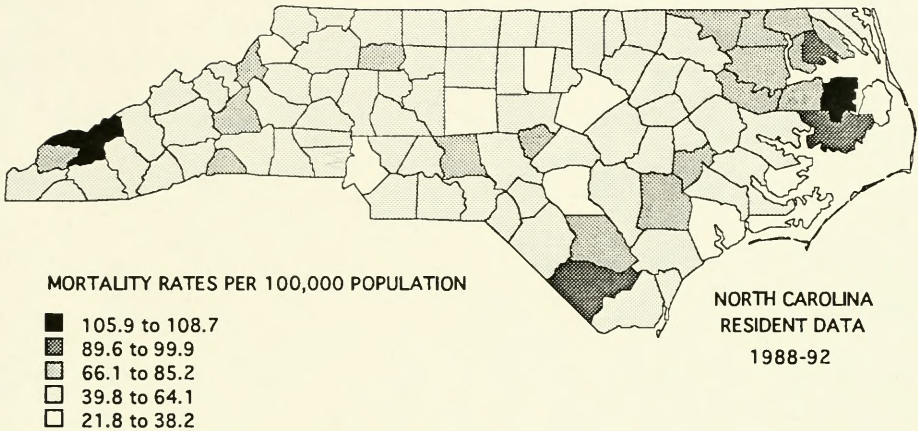


FIGURE 23.A

* Nephritis, nephrotis syndrome, and nephrosis

NEPHRITIS, NEPHROTIC SYNDROME* - MENTIONED

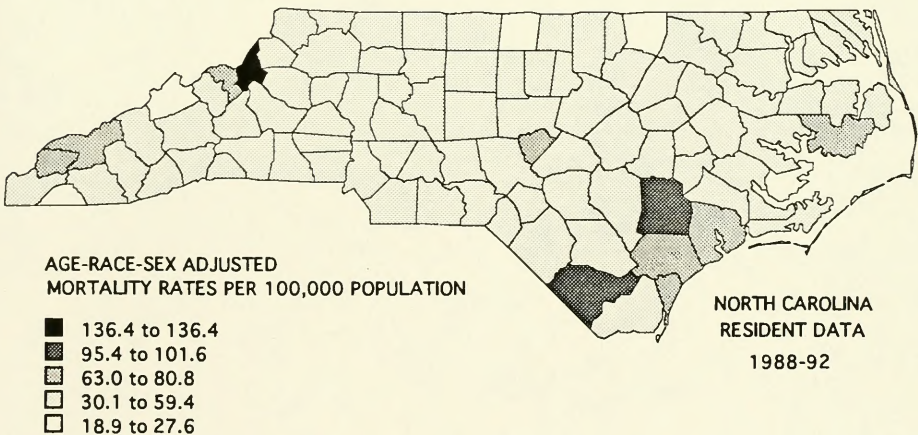


FIGURE 23.B

* Nephritis, nephrotis syndrome, and nephrosis

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